U.S. DEPARTMENT OF COMMERCE
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PB-289 135

Chesapeake Bay Baseline Data Acquisition, Appendix IX Wetlands Alteration

Chesapeake Research Consortium, Inc, Annapolis, MD

Prepared for

Environmental Protection Agency, Philadelphia, PA Chesapeake Bay Program

Oct 78

EPA 903/9-78-028 -

ORC

PB 289135

APPENDIX IX

WETLANDS ALTERATION

A Report
under EPA Contract No. 68-01-3994

October 1978

Chesapeake Research Consortium, Incorporated

prepared by

University of Maryland,
Center for Environmental and Estuarine Studies

and

Virginia Institute of Marine Science

REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE
U. S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

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240

TECHNICAL REPORT DATA
(Please read Instructions on the reverse before completing)

1. REPORT NO. EPA 903/9-78-028	2.	3. RECIPIENT'S ACCESSION NO. PB289135
4. TITLE AND SUBTITLE "Wetland Alterations" (Chesapeake Bay Baseline Data Acquisition, Appendix IX)		5. REPORT DATE October, 1978 6. PERFORMING ORGANIZATION CODE
7. AUTHOR(S)		8. PERFORMING ORGANIZATION REPORT NO.
9. PERFORMING ORGANIZATION NAME AND ADDRESS Chesapeake Research Consortium, Inc. 1419 Forest Drive, Suite 207 Annapolis, MD 21403		10. PROGRAM ELEMENT NO. 11. CONTRACT/GRANT NO. 68-01-3994
12. SPONSORING AGENCY NAME AND ADDRESS Chesapeake Bay Program, EPA, Region III 6th & Walnut Streets Philadelphia, PA 19106		13. TYPE OF REPORT AND PERIOD COVERED Final, 1973 - Present 14. SPONSORING AGENCY CODE 903/00

15. SUPPLEMENTARY NOTES

16. ABSTRACT

This report identifies researchers conducting current research programs relating to wetland alterations in the Chesapeake Bay estuarine system. The data files included in this report are compiled from the Environmental Data Base Directory and reflects data applicable to wetland alterations from 1973 to the present.

The report also identifies the major past, present, or planned monitoring efforts.

The data will aid in the design of future research and monitoring efforts for the Chesapeake Bay.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
RESEARCH MONITORS DIRECTORIES	Chesapeake Bay Wetlands	

18. DISTRIBUTION STATEMENT	19. SECURITY CLASS *(This Report)*	21. NO. OF PAGES
RELEASE TO PUBLIC	UNCLASSIFIED	240
	20. SECURITY CLASS *(This page)* UNCLASSIFIED	22. PRICE PC A11 MF A01

EPA Form 2220-1 (9-73)

CHESAPEAKE BAY BASELINE DATA ACQUISITION

WETLANDS ALTERATION

Contract No. 68-01-3994

between

U. S. Environmental Protection Agency

and

Chesapeake Research Consortium, Incorporated

October 1978

2b

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INTRODUCTION

This report forms one of several appendices which are the body of the Chesapeake Bay Baseline Data Acquisition Final Report. These appendices are as follows:

Appendix I. A Chesapeake Bay Directory

Appendix II. Submerged Aquatic Vegetation

Appendix III. Toxics in the Chesapeake Bay

Appendix IV. Eutrophication

Appendix V. Shellfish Bed Closures

Appendix VI. Dredging and Spoil Disposal

Appendix VII. Modification of Fisheries

Appendix VIII. Hydrologic Modifications

Appendix IX. Wetlands Alteration

Appendix X. Effects of Boating and Shipping on Water Quality

Appendix XI. Shoreline Erosion

This report comprises three sections as follows:

Annex I. contains scientists presently engaged in research in this field.

Annex II. is an indexed listing of data files pertinent to the Chesapeake Bay and adjacent coastal states.

Annex III. summarizes the monitoring efforts as derived from Annex II.

The source material for appendices IV-XI includes minimal material based on interviews, field work and verification. Efforts were directed to determining researchers and their activities from "A Chesapeake Bay Directory" only. For each of the eight subject areas, a key word list was also formulated and the respective pertinent data files compiled from the Environmental Data Base Directory. These files served as the primary source for the monitoring programs section.

ANNEX I

Directory of Researchers

Wetlands Alteration

This "Directory of Researchers" contains a listing of scientists who are presently working in this field, their affiliations and their specific research activities. The information was compiled from "A Chesapeake Bay Directory" by A. McErlean et al. which was published as a partial fulfillment of this contract.

For researchers and research activities in other national and international areas the reader is referred to the "International Directory of Marine Scientists," issued by the Food and Agriculture Organization of the United Nations in 1977. Copies of this directory are available at the following locations:

EPA Region III
Chesapeake Bay Program Office
Curtis Building
6th and Walnut Streets
Philadelphia, PA 19106

Chesapeake Research Consortium
1419 Forest Drive
Suite 207
Annapolis, MD 21403

University of Maryland, Center for Environmental and
Estuarine Studies
ATTN: Karen Rutledge
P. O. Box 775
Horn Point Rd.
Cambridge, MD 21613

Virginia Institute of Marine Science
ATTN: Thomas Lochen
Gloucester Point, VA 23062

ANNEX I

Directory of Researchers

Wetlands Alteration

Anderson, R. R. American University	Wetlands, remote sensing - Chesapeake Bay.
Banard, T. Virginia Institute of Marine Science	Coastal resources management.
Banta, W. American University	Wetlands ecology.
Batie, S. Virginia Polytechnic Institute and State University	Wetlands evaluation, economic impact of coastal zone land use.
Bender, M. E. Virginia Institute of Marine Science	Eutrophication, algal ecology, water quality criteria for aquatic life.
Bieri, R. H. Virginia Institute of Marine Science	Oceanography, environmental sciences.
Boon, J. D., III. Virginia Institute of Marine Science	Littoral processes, hydrodynamics of coastal inlets, tides and currents.
Boynton, W. R. Chesapeake Biological Laboratory, University of Maryland	Phytoplankton production, detritus utilization and nutrient cycling - Chesapeake Bay.
Cones, H. N., Jr. Christopher Newport College	Wetlands ecology.
Cueman, M. K. Virginia Institute of Marine Science	Environmental chemistry.

Dawes, C. M. Virginia Institute of Marine Science	Coastal resources management.
Eberhart, R. Applied Physics Laboratory, The Johns Hopkins University	Power plant siting evaluation.
Ellison, R. University of Virginia	Marsh and estuarine ecology.
Fanning, D. S. University of Maryland	Soil-vegetation relationships in tidal marshes.
Foss, J. E. University of Maryland	Soil-vegetation relationships in tidal marshes.
Haven, D. S. Virginia Institute of Marine Science	Physiology of mollusks, natural sediments of oyster bars.
Higman, D. Chesapeake Bay Center for Environmental Studies, Smithsonian Institution	Wetlands mapping, effects of wetland disturbances - Chesapeake Bay.
Huggett, R. J. Virginia Institute of Marine Science	Heavy metals, pesticides, oil pollution, water quality criteria.
Kator, H. I. Virginia Institute of Marine Science	Microbiology of estuaries and marshlands.
Kerwin, J. A. Patuxent Wildlife Research Center, United States Fish and Wildlife Service	Tidal marsh ecology.
Merriner, J. V. Virginia Institute of Marine Science	Ecology of estuarine fishes, culture and rearing of estuarine fishes.
Munday, J. C., Jr. Virginia Institute of Marine Science	Remote sensing of environmental water quality, coastal circulation.

Musselman, L. Old Dominion University	Aquatic and wetland plants.
Odum, W. University of Virginia	Marsh and estuarine ecology and coastal zone land use planning.
Silberhorn, G. M. Virginia Institute of Marine Science	Wetlands ecology, evaluation of land use development with respect to natural vegetation.
Stevenson, J. C. Horn Point Environmental Laboratories, University of Maryland	Marsh ecology - Chesapeake Bay.
Ware, D. M. E. Virginia Institute of Marine Science	Wetland plants, botany.
Wass, M. L. Virginia Institute of Marine Science	Benthic ecology, wetlands ecology.
Webb, K. L. Virginia Institute of Marine Science	Plant physiology and ecology.
Wetzel, R. L. Virginia Institute of Marine Science	Ecosystem modeling, wetlands, energetics.
Wise, E. S. Christopher Newport College	Wetlands ecology, coastal zone management.
Zieman, J. University of Virginia	Seagrass ecology.

ANNEX II

Data Files

Wetlands Alteration

ANNEX II

Data Files

Part A

Data Files

Wetlands Alteration

The data files included in this section are arranged by EDBD accession number. This number should be used in inquiries to EDBD or in specific citations of files. However, for the purposes of this report, these files were assigned unique page numbers.

Files of areas adjacent to the Chesapeake Bay such as North Carolina, Delaware, New Jersey and Pennsylvania have been included when encountered.

ENVIRONMENTAL DATA INDEX

THE ENCLOSED LISTING IS A SELECTION OF FILE DESCRIPTIONS FROM THE ENDEX SYSTEM. ITS PURPOSE IS TO GUIDE USERS WITH REQUIREMENTS FOR HISTORICAL ENVIRONMENTAL DATA TO HOLDERS OF THESE DATA.

THIS OUTPUT WAS SELECTED FROM THE ENTIRE FILE BASED ON CERTAIN CRITERIA SPECIFIED BY THE USER. THESE CRITERIA ARE REPEATED BELOW:

EDBD

THE OUTPUT IS IN TWO PARTS. FIRST IS A LISTING OF ALL THE EDBD'S SELECTED, PRINTED IN ID NUMBER ORDER. AT THE BACK OF EACH OUTPUT MAY BE A CROSS-INDEX, LISTING SUCH THINGS AS WHICH FILE DESCRIPTIONS DESCRIBE DATA COLLECTED ON EACH PLATFORM TYPE, OR WHICH FILE DESCRIPTIONS HAVE DATA IN EACH GRID LOCATOR. THIS SECTION WILL VARY DEPENDING ON THE REQUIREMENTS OF THE USER. THE ID NUMBER IS IN THE UPPER LEFT CORNER OF EACH FILE DESCRIPTION. THE FOLLOWING IS AN EXPLANATION OF FIELDS ON EACH PAGE.

FILE NAME -- TOP CENTER OF PAGE. IDENTIFIED BY DATA HOLDER. ALSO, TIME RANGE OF DATA COLLECTION.

PROJECTS -- LIST OF PROJECTS UNDER WHICH DATA CONTAINED IN FILES MAY HAVE BEEN COLLECTED.

GENERAL GEOGRAPHIC AREA -- BEGINS WITH CONTINENT OR OCEAN IN WHICH DATA WERE COLLECTED AND DESCRIBES SMALLER AND SMALLER AREAS TO GIVE USER A GENERAL AREA OF DATA COLLECTION.

ABSTRACT -- CONTAINS GENERAL INFORMATION ABOUT WHY THE DATA WERE COLLECTED AND WHERE, METHODS OF ANALYSIS AND PERTINENT CONCLUSIONS.

DATA AVAILABILITY -- CONTAINS RESTRICTIONS ON DATA USE, IF BLANK IT MEANS THERE ARE NO KNOWN RESTRICTIONS.

PLATFORM TYPES -- LIST OF TYPES OF PLATFORMS (IF ANY) USED TO COLLECT DATA.

ARCHIVE MEDIA -- MEDIA ON WHICH DATA ARE STORED AND A ROUGH ESTIMATE OF THE SIZE OF THE FILE.

FUNDING -- ORGANIZATION FUNDING THE DATA COLLECTION (IF KNOWN).

INVENTORY -- WHEN DETAILED INFORMATION ON STATION LOCATIONS, COUNTS OF OBSERVATIONS/SAMPLES, ETC. ARE AVAILABLE, IT WILL BE DENOTED HERE.

PUBLICATIONS -- PUBLICATIONS RESULTING FROM THIS DATA SET (LIST IS SOMETIMES CONDENSED).

CONTACT -- NAME, ADDRESS AND PHONE NUMBER OF PERSON TO CONTACT TO OBTAIN FURTHER INFORMATION OR ACTUAL COPIES OF DATA.

GRID LOCATOR -- A SERIES OF NUMBERS USED TO MAKE GEOGRAPHIC RETRIEVAL POSSIBLE ON A COMPUTER. LATITUDE AND LONGITUDE ARE COMBINED INTO A SINGLE NUMBER. THE WORLD METEOROLOGICAL ORGANIZATION (WMO) CODE IS USED TO IDENTIFY AREAS WHERE DATA WERE COLLECTED. THIS MAY BE A 4,6,8, OR 10 DIGIT NUMBER DEPENDING ON WHETHER THE DATA HOLDER CHOSE TO IDENTIFY AREAS DOWN TO 10-DEGREE SQUARES OF LATITUDE AND LONGITUDE OR TO 1-DEGREE, 10-MINUTE, OR 1-MINUTE SQUARES.

FOR A 4-DIGIT GRID LOCATOR THE NUMBERS ARE AS FOLLOWS:

DIGIT 1 -- QUADRANT OF WORLD: 1=NE, 3=SE, 5=SW, 7=NW.
DIGIT 2 -- TENS DIGIT OF LATITUDE.
DIGITS 3/4 -- HUNDREDS AND TENS DIGITS OF LONGITUDE.

THUS 7408 WOULD BE THE 10-DEGREE SQUARE OF WHICH THE POINT 40N AND 080W IS THE LOWER RIGHT HAND CORNER.

FOR A SIX DIGIT NUBMER, DIGITS 5 AND 6 REPRESENT THE UNITS DIGITS OF LATITUDE AND LONGITUDE. THUS 740825 WOULD IDENTIFY THE 1-DEGREE SQUARE OF 42N AND 085W.

WITH AN 8-DIGIT NUMBER, 74082534 REPRESENTS THE SQUARE AT 42-DEGREES, 30-MINUTES NORTH AND 085-DEGREES, 40-MINUTES WEST, OR 10-MINUTE SQUARE.

THE SMALLEST AREA IDENTIFIED IN THE SYSTEM IS A 1-MINUTE SQUARE, OR A 10-DIGIT GRID LOCATOR (E.G., 7408253415 IS 42-DEGRESS 31-MINUTES NORTH AND 085-DEGRESS, 45-MINUTES WEST).

PARAMETER IDENTIFICATION SECTION -- THIS PORTION OF THE FILE DESCRIPTION CONTAINS A LIST OF PARAMETERS MEASURED, THE SPHERE IT WAS MEASURED IN, THE METHODS USED AND THE UNITS OF MEASUREMENT. IN ADDITION, SUCH INFORMATION AS THE NUMBER OF MEASUREMENTS OF EACH PARAMETER AND THE FREQUENCY (IF REGULARLY SPACED) ARE REPORTED. A SPECIALIZED ENDEX VOCABULARY IS AVAILABLE DEFINING THE PARAMETER, SPHERE, AND METHOD TERMS USED.

QUESTIONS CONCERNING THIS OUTPUT SHOULD BE RELAYED TO THE NODC OCEANOGRAPHIC SERVICES BRANCH (202) 634-7500 OR TO THE DATA INDEX BRANCH (202) 634-7298.

0008

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, NEW JERSEY, REHOBOTH

ABSTRACT:
MISSION W128, FLT. 1, WAS ACCOMPLISHED MAY 26, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS, IN COOPERATION WITH U. S. FISH AND WILDLIFE SERVICE. OBJECTIVE - TO DETERMINE THE FEASIBILITY OF DISTINGUISHING VARIOUS TYPES OF MARSH GRASSES FROM INTERPRETING INFRARED AERIAL FILM. FLIGHT IN CLEAR WEATHER, AIR TEMP. 10 DEG. C AT 4,500 FT., MSL WITH WIND OF 20 KNOTS FROM 040 DEG.
(MISSION W128, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
267 70MM B/W FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS			
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	210	OBS		4500 FT	152 MM FOCAL LENGTH

000034

MARYLAND DEPARTMENT OF CHESAPEAKE BAY AFFAIRS WETLANDS STUDIES
DATA COLLECTED: JUNE 1972 TO JUNE 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, ELKTON

ABSTRACT:
MISSION W131, FLT. 2 WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON JUNE 3, 1972. IN COOPERATION WITH THE MD. DEPT OF CHESAPEAKE BAY AFFAIRS IN ELKTON, MD. REGION. OBJECTIVE - TO ACQUIRE NATURAL AND FALSE-COLOR REMOTELY SENSED IMAGERY OF WETLAND VEGETATION SPECIES AND MARSHES TO ESTABLISH BASELINE DATA FOR FUTURE EARTH RESOURCES TECHNICAL SATELLITE EXPERIMENTS. FLIGHT IN CLEAR WEATHER, MODERATE HAZE. AIR TEMP. 2 DEG. C AT 10,000 FT. 18 DEG. C AT 2500 FT., MSL WITH WIND OF 15 KNOTS FROM 260 DEG.
(MISSION W131, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
214 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730796 730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS			9 FLIGHT LINES
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	214	OBS		112 OBS AT 10000 FT, 102 OBS AT 2500 FT	6 INCH FOCAL LENGTH

000047

RHODE RIVER VEGETATIVE AND DRAINAGE STUDIES
DATA COLLECTED: JUNE 1972 TO JUNE 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER

ABSTRACT:
MISSION W146, FLT. 1, JUNE 26, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS, IN COOPERATION WITH CHESAPEAKE BAY CTR. FOR ENVIRONMENTAL STUDIES. OBJECTIVE-TO CORRELATE GROUND TRUTH INFORMATION WITH REMOTE SENSED IMAGERY FOR VEGETATIVE GROWTH CHARACTERISTICS, SOIL CONDITIONS, SURFACE WATER LOCATIONS, AND DRAINAGE PATTERNS. LIGHT OVERCAST AND SLIGHT HAZE, AIR TEMP. 20 DEG. C AT 1500 FT., MSL WITH WIND OF 8 KNOTS FROM 300 DEG.
(MISSION W146, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
268 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS			9 FLIGHT LINES
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	268	OBS		1500 FT	152 MM FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, JAMES RIVER

ABSTRACT:
MISSION W146, FLT. 2, JUNE 26, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS. IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. OBJECTIVE - TO ACQUIRE BLACK & WHITE AIRBORN IMAGERY TO ASSESS THE FLOODING EFFECTS AND DAMAGE CREATED BY TROPICAL STORM "AGNES" ALONG THE JAMES RIVER. FLIGHT IN GOOD WEATHER, SOME OVERCAST, SLIGHT HAZE, AIR TEMP. 20 DEG. C AT 3000 FT., MSL WITH WIND OF 10 KNOTS FROM 160 DEG., SLIGHT MALFUNCTION IN CAMERA 2 WHICH CAUSED LAG OF FRAMES. (MISSION W146, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
280 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730776 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	9 STATIONS			
PHOTOGRAPH	EARTH	BLACK AND WHITE CAMERA FROM AIRCRAFT	PHOTOGRAPHS	280 OBS		3000 FT	6 INCH FOCAL LENGTH

000060

CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES VEGETATION IDENTIFICATION
DATA COLLECTED: APRIL 1972 TO APRIL 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER

ABSTRACT:
MISSION W119, FLT. 1, APRIL 18, 1972, WITH WALLOPS STATION C-54 AIRCRAFT WITH TWO T-11 AERIAL CAMERAS. IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES (CBCES) TO USE VISIBLE AND NEAR INFRARED IMAGERY TO IDENTIFY VEGETATION IN RHODE RIVER WATERSHED. FLIGHT MADE IN CLEAR WEATHER, AIR TEMP. 2 DEG. C AT 12,500 FT., AND 8 DEG. C AT 2500 FT., MSL WITH WIND OF 30 KNOTS FROM 290 DEG.
(MISSION NO W119, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
269 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			11 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	14	STATIONS			
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	269	OBS		24 OBS AT 12500 FT, 245 OBS AT 2500 FT	6 INCH FOCAL LENGTH

DATA COLLECTED: APRIL 1972 TO APRIL 1972 RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, MARYLAND, NORTH CAROLINA OUTER BANKS

ABSTRACT:
MISSION W120, FLT. 1, ACCOMPLISHED WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON APRIL 19, 1972, IN COOPERATION WITH U. S. PARK SERVICE AND UNIV. OF VA. OBJECTIVE - TO UTILIZE FALSE COLOR IMAGERY IN ASSESSING LAND AND BIOLOGICAL MODIFICATIONS OF N. C., VA. AND MARYLAND OUTER BANKS.
(MISSION NO W120, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
339 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775 730755

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			11 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	11 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	239 OBS		138 OBS AT 6000 FT, 201 OBS AT 10000 FT	6 INCH FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER

ABSTRACT:
MISSION W122, FLT. 1, APRIL 21, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH ATT-11 AERIAL CAMERA IN COOPERATION WITH CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. OBJECTIVE - TO RECORD VARIATIONS IN LOCATION OF SHORE-LINE OF RHODE RIVER ESTUARY BY USE OF AERIAL PHOTOGRAPHY IN CONJUNCTION WITH GROUND MEASUREMENTS. FLIGHT MADE IN CLOUD-FREE WEATHER WITH MODERATE HAZE, VISIBILITY 5-7 MILES, AIR TEMP. 0 DEG. C AT 5000 FT., MSL WITH WIND OF 10 KNOTS FROM SWE.
(MISSION NO W122, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
42 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			3
TIME	EARTH	SAMPLING TIME	YMDHML	6 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	42 OBS		5000 FT	6 INCH FOCAL LENGTH

000068

CHINCOTEAGUE BAY OVERFLIGHT
DATA COLLECTED: APRIL 1972 TO APRIL 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, MARYLAND, CHINCOTEAGUE BAY

ABSTRACT:
MISSION W124, FLT. 2, APRIL 27, 1972, OVER CHINCOTEAGUE BAY, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL CAMERA. OBJECTIVE - TO OBTAIN BASE LINE INFORMATION OF WETLANDS AND CULTURAL CHANGES OCCURRING THROUGHOUT THE WINTER MONTHS. FLIGHT IN CLEAR WEATHER, VISIBILITY 7-8 MILES, AIR TEMP. 0 DEG. C AT 7000 FT., MSL WITH WIND OF 15 KNOTS FROM 290 DEG. (MISSION NO W124, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
103 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			3 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHMSL	3 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	103 OBS		7000 FT	152 MM FOCAL LENGTH

000069

MARYLAND DEPARTMENT OF CHESAPEAKE BAY AFFAIRS WETLANDS STUDIES
DATA COLLECTED: APRIL 1972 TO APRIL 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, ELK RIVER

ABSTRACT:
MISSION W125, FLT. 1, APRIL 28, 1972, WITH WALLOPS STATION C-54 AIRCRAFT WITH TWO T-11 AERIAL CAMERAS IN COOPERATION WITH MD. DEPT. OF CHESAPEAKE BAY AFFAIRS IN ELK RIVER, MD. AREA. OBJECTIVE - TO UTILIZE AIRBORN NATURAL AND FALSE-COLOR IMAGERY FOR IDENTIFICATION AND DISTRIBUTION OF MARSHLAND AQUATIC COMMUNITIES IN PREPARATION FOR ERTS OVERPASSES. FLIGHT IN GOOD WEATHER WITH MODERATE HAZE, AIR TEMP. 6 DEG. C AT 2,500 FT., MSL WITH WIND OF 15 KNOTS FROM 320 DEG. (MISSION NO W125, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
155 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730796 730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	11	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	228	OBS		136 OBS AT 10000 FT, 92 OBS AT 2500 FT	6 INCH FOCAL LENGTH

000070 RHODE RIVER VEGETATION AND DRAINAGE STUDY PAGE 01
DATA COLLECTED: MAY 1972 TO MAY 1972 RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER

ABSTRACT:
MISSION W126, FLT. 1, MAY 5, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS, IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF SMITHSONIAN INSTITUTE. OBJECTIVE - TO OBTAIN SPRING IMAGERY OF MARSH AND BASIN VEGETATION FOR USE IN MAKING SPECTRAL COMPARISONS OF SAME PLANTS THROUGHOUT GROWING SEASON. FLIGHT MADE WITH GOOD VISIBILITY, SCATTERED CLOUD COVERAGE, AIR TEMP. 18 DEG. C AT 2500 FT., 12 DEG. C AT 10,000 FT., MSL WITH WIND OF 15 KNOTS FROM 290 DEG.
(MISSION NO W126, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
229 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YR/MO	12	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA: FROM AIRCRAFT	PHOTOGRAPHS	229	OBS		208 OBS AT 2500 FT, 21 OBS AT 10000 FT	152 MM FOCAL LENGTH

DATA COLLECTED: JULY 1973 TO JULY 1973 RECEIVED: JANUARY 01, 1976

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, BEAVER DAM RIVER; DELAWARE BAY, DELAWARE, SOWBRIDGE RIVER

ABSTRACT:
MISSION W237, FLT. 1, JULY 25, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S MULTISPECTRAL CAMERA SYSTEM IN COOPERATION WITH WATER RESOURCES DIV. OF U. S. GEOLOGICAL SURVEY. OBJECTIVE - TO OBTAIN MULTISPECTRAL IMAGERY OF SOWBRIDGE AND BEAVER DAM RIVERS PERIODICALLY FOR USE IN COMPILING A HISTORY OF DRAINAGE BASIN DYNAMICS OF EACH OF THE RIVERS. FLIGHT MADE IN HAZE WEATHER WITH SOME SCATTERED AND BROKEN CLOUDS, AIR TEMP. 14 DEG. C AT 5500 FT., 8 DEG. C AT 9500 FT., MSL WITH WIND OF 10-15 KNOTS FROM 225 DEG.
(MISSION NO W237, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
75 9" X 9" AND 2.7" X 2.7" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730786 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	6 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	75 OBS		55 OBS AT 5500 FT, 20 OBS AT 9500 FT	152 MM AND 100 MM FOCAL LENGTH, I2-S MULTISPECTRAL

000150

SUSQUEHANNA FLATS DREDGE ISLANDS
DATA COLLECTED: JANUARY 1966 TO PRESENT

RECEIVED: NOVEMBER 07, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, SUSQUEHANNA FLATS

ABSTRACT:
SMALL SCALE SURVEY TO DOCUMENT THE FLORAL SUCCESSION ON DREDGE SPOIL ISLANDS IN SUSQUEHANNA FLATS. BIRD SPECIES LISTS COMPILED FROM 3 VISITS PER YEAR SINCE 1966.

DATA AVAILABILITY:
COST OF DUPLICATION

PLATFORM TYPES:

ARCHIVE MEDIA:
DATA SHEETS
1 4 INCH NOTEBOOK

FUNDING:
MARYLAND WILDLIFE ADMINISTRATION, DNR

INVENTORY:

PUBLICATIONS:

CONTACT:
VERNON STOTTS 301-267-5195
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730795 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHER	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	24	STATIONS	3 TIMES PER YEAR		
TIME	EARTH	STATION TIME	YMD	24	STATIONS	3 TIMES PER YEAR		
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF SPECIES PER VISIT	24	OBS	3 TIMES PER YEAR	ABOVE MLW	MEASUREMENT OF SIZE OF ISLAND BY PACING, RELATE SPECIES TO SIZE
COUNT OF BENTHIC PLANTS	LAND	VISUAL	RELATIVE ABUNDANCE CATEGORIES, RARE, OCCASIONAL, COMMON,	24	OBS	3 TIMES PER YEAR	ABOVE MLW	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SPECIES DETERMINATION OF BIRDS	AIR	KEY	ABUNDANT NUMBER OF SPECIES PER VISIT	24 OBS	3 TIMES PER YEAR		LIST INCLUDES SIGHT, TRACK, AND DROPPING IDENTIFICATION

ECOLOGICAL WETLANDS ASSESSMENT
DATA COLLECTED: JULY 1970 TO PRESENT

RECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

ABSTRACT:
FILE CONTAINS WETLAND ASSESSMENTS RELATIVE TO PERMIT APPLICATIONS UNDER MARYLAND WETLAND LAW, ARTICLE 66C, SECTION 718 TO 731. LARGELY QUALITATIVE DATA FROM SITE VISIT, 4 SITES RECEIVED QUANTITATIVE SAMPLING: MYSTIC HARBOR, SNUG HARBOR, FRONTIERTOWN, MONTEGO BAY DEVELOPMENT CORPORATION. DATA CROSS REFERENCE TO CASEY FILE IN DNR, FISHERIES ADMINISTRATION. (MARYLAND DEPARTMENT OF NATURAL RESOURCES CROSS INDEX TO JIM CASEY FILE DNR, FISHERIES ADMINISTRATION AND JAMES ALLISON, DNR, WATER RESOURCES ADMINISTRATION)

DATA AVAILABILITY:
COST OF DUPLICATION

PLATFORM TYPES:

ARCHIVE MEDIA:
DATA SHEETS; REPORTS
1 3 DRAWER FILE CABINET

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
WILLIAM SIPPLE 301-267-5877
MARYLAND DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730785 730787 730795 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1500	STATIONS			
TIME	EARTH	STATION TIME	YMD	1500	STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	LIST PER SITE	20	OBS	1 VISIT PER SITE MINIMUM		INCLUDES VEGETATED WETLANDS AND SUBMERGED AQUATIC PLANTS
SPECIES DETERMINATION OF MAMMALS	LAND	KEY	LIST PER SITE	20	OBS	1 VISIT PER SITE MINIMUM		SIGHTINGS, TRACKS, DROPPINGS TALLIED
COMMUNITY	LAND	CALCULATED	VEGETATIVE AND	500	OBS	1 VISIT PER		DRAW FROM DNR

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
STRUCTURE ANALYSIS			FAUNAL ASSOCIATES, LISTS OF DOMINANTS		SITE MINIMUM		DATA FILES FOR WATER QUALITY, FISH, BIRD, AND INVERTEBRATE DATA, COMMUNITY TYPING
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER SPECIES PER QUADRAT AND PER TRANSECT	3 STATIONS	1 VISIT PER SITE MINIMUM		SAMPLES ALLOCATED TO VARIOUS COMMUNITY TYPES PRESENT ON SITE
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	TOTAL SPECIES PER SITE, SPECIES PER QUADRAT, PER TRANSECT, AND PER COMMUNITY TYPE	3 STATIONS	1 VISIT PER SITE MINIMUM		UCA, RIBBED MUSSEL, SALTMARSH SNAIL, GULF PERIWINKLE
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	TOTAL NUMBER PER SITE, NUMBER PER SPECIES PER QUADRAT OR TRANSECT	3 STATIONS	1 VISIT PER SITE MINIMUM		UCA, RIBBED MUSSEL, SALTMARSH SNAIL, GULF PERIWINKLE

DATA COLLECTED: JULY 1971 TO PRESENT RECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

ABSTRACT:
PRESENCE OR ABSENCE DATA FOR OVER 200 SPECIES OF VASCULAR PLANTS. GENERAL DISTRIBUTION OF PLANTS ON MARSH TYPES. ASSOCIATIONS OF PLANTS ON MARSH TYPES. COMPILED DURING WETLAND SITE EVALUATION VISITS AND ON SPECIFIC DISTRIBUTION DATA COLLECTION TRIPS. (DISTRIBUTION MAPS ARE PRESENTLY BEING COMPILED.)

DATA AVAILABILITY:
COST OF DUPLICATION

PLATFORM TYPES:

ARCHIVE MEDIA:
DATA SHEETS
1 FILE CABINET DRAWER

FUNDING:
MARYLAND DNR

INVENTORY:

PUBLICATIONS:

CONTACT:
WILLIAM SIPPLE 301-267-5877
MARYLAND DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730785 730787 730795 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	500	STATIONS			
TIME	EARTH	STATION TIME	YMD	500	STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	PRESENT OR ABSENT	200	OBS			RECORD OF INCIDENCE DURING SITE VISIT FOR WETLAND ASSESSMENT AND SPECIFIC DISTRIBUTION DATA COLLECTION TRIPS, RANDOM WALK THROUGH

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ALTITUDE	LAND	DIRECT	ABOVE AND BELOW LINE OF TIDAL AMPLITUDE	300	OBS			AREA
BOTTOM TYPE	BOTTOM	VISUAL	DOMINANT SOIL TYPE OR MIXTURE OF SAND, CLAY, SILT	300	OBS			
COMMUNITY STRUCTURE ANALYSIS	LAND	CALCULATED	DOMINANT PLANT SPECIES, HABITAT CLASSIFICATION	300	OBS			

000158

WETLAND BOUNDARY MAPS
DATA COLLECTED: AUGUST 1971 TO AUGUST 1972

RECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

ABSTRACT:
AERIAL PHOTOGRAPH FILE OF ALL LAND AND WATER INTERFACES IN THE STATE OF MARYLAND. USED TO DELINEATE LANDWARD BOUNDARY OF TIDAL WETLANDS. PHOTOGRAMETRIC STANDARDS MET. COLOR AND IR PHOTOS 1 INCH TO 1000 FT SCALE. BLOWUP PRINTS 1 INCH TO 200 FT SCALE. (PHOTOGRAPHS ARE AVAILABLE FOR EXAMINATION IN DNR OFFICES.)

DATA AVAILABILITY:
PHOTOGRAPHS (SCALE 1" = 1000') PURCHASABLE FROM RAYTHEON AUTOMETRIC OPERATION WAYLAND, MASSACHUSETTS AND PHOTOSCIENCE INC GAITHERSBURG, MARYLAND. PHOTOMAPS AVAILABLE AT DNR (SCALE 1" = 200')

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
1 CUBIC YARD

FUNDING:
STATE OF MARYLAND DNR

INVENTORY:

PUBLICATIONS:

CONTACT:
WILLIAM SIPPLE 301-267-5877
MARYLAND DEPARTMENT OF NATURAL RESOURCES
WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730785 730787 730795 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2000	STATIONS			
TIME	EARTH	STATION TIME	YMD	2000	STATIONS			
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	SCALE 1 INCH TO 1000 FEET	2000	OBS	ONE TIME		FLIGHTS COVERED ALL LAND AND WATER INTERFACES IN MARYLAND
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	SCALE 1 INCH TO 1000 FEET	2000	OBS	ONE TIME		FLIGHTS COVERED ALL LAND AND WATER INTERFACES IN MARYLAND

000163

WOOD DUCK FLOAT CENSUS
DATA COLLECTED: JUNE 1962 TO PRESENT

RECEIVED: NOVEMBER 14, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, POTOMAC RIVER

ABSTRACT:
COUNTS AND SPECIES DETERMINATION OF WATERFOWL, REPTILES, MAMMALS, BIRDS, AND BENTHIC PLANTS HAVE BEEN MADE EACH JUNE SINCE 1962 ALONG A 180 MILE STRETCH OF THE POTOMAC RIVER. FISHING ACTIVITY IS ALSO NOTED.
(OBSERVATIONS ARE MADE FROM TWO DRIFTING BOATS, TWO OBSERVERS IN EACH BOAT)

DATA AVAILABILITY:
COST OF DUPLICATION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
ONE FILE DRAWER OF DATA SHEETS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
VERNON STOTTS 301-267-5195
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730798 730797 730787

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS	ONE PER YEAR		2 BOAT DRIFT 180 MILES DOWN THE POTOMAC RIVER, ONE NEAR EACH SHORE; STATION RUNS FROM MCCOOL TO GREAT FALLS
TIME	EARTH	STATION TIME	YMD	1 STATIONS	ONE PER YEAR		
SPECIES DETERMINATION OF BIRDS	AIR	KEY	NUMBER OF SPECIES	1 STATIONS	ONE PER YEAR		TALLIED ALL WOOD DUCKS, WATERFOWL AND

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							OTHER BIRDS THAT WERE SIGHTED
COUNT OF BIRDS	AIR	VISUAL	NUMBER OF INDIVIDUALS	1 STATIONS	ONE PER YEAR		TALLIED ALL WOOD DUCKS, WATERFOWL AND OTHER BIRDS THAT WERE SIGHTED
COUNT OF REPTILES	WATER	VISUAL	NUMBER OF INDIVIDUALS PER SPECIES	1 STATIONS	ONE PER YEAR		ALL THAT WERE SIGHTED
COUNT OF MAMMALS	WATER	VISUAL	NUMBER OF INDIVIDUALS	1 STATIONS	ONE PER YEAR		ALL THAT WERE SIGHTED
SPECIES DETERMINATION OF MAMMALS	WATER	KEY	NUMBER OF SPECIES	1 STATIONS	ONE PER YEAR		
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL	RELATIVE ABUNDANCE	1 STATIONS	ONE PER YEAR		THOSE PLANTS IN THE RIVER
COUNT OF BENTHIC PLANTS	LAND	VISUAL	RELATIVE ABUNDANCE	1 STATIONS	ONE PER YEAR		THOSE PLANTS ON THE BANKS
SPORT FISHERIES ACTIVITIES	WATER	VISUAL	NUMBER OF INDIVIDUALS	1 STATIONS	ONE PER YEAR		CLASSIFIED AS TO FISHING FROM BOATS OR FROM BANKS

000165

VEGETATION MAPPING SURVEY OF STATE OWNED WATERFOWL AREAS
DATA COLLECTED: JULY 1958 TO PRESENT

RECEIVED: NOVEMBER 14, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY

ABSTRACT:
STATE OWNED WATERFOWL AREAS HAVE BEEN MAPPED FOR VEGETATIVE TYPES BY AERIAL PHOTOGRAPHY. BEFORE AND AFTER ANY MANAGEMENT PROJECTS THE AREAS IN QUESTION ARE AGAIN MAPPED AND THE VEGETATIVE COMMUNITY DESCRIBED.
(PITTMAN ROBERTSON PROJECT, BUREAU OF SPORT FISHERIES AND WILDLIFE)

DATA AVAILABILITY:
COST OF DUPLICATION

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
DATA SHEETS; PHOTOPRINTS
ONE FILE CABINET DRAWER

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
VERNON STOTTS 301-267-5195
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730785 730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	50	STATIONS			
TIME	EARTH	STATION TIME	YMDH	50	OBS			ADDITIONAL PHOTOGRAPHS ARE TAKEN AS APPROPRIATE, ON ANY OF THESE STATIONS BEFORE AND AFTER ANY MANAGEMENT PROJECTS
SPECIES DETERMINATION	LAND	KEY	TYPES OF SPECIES	50	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
OF BENTHIC PLANTS								
COUNT OF BENTHIC PLANTS	LAND	VISUAL	AREA	50	OBS			DISTRIBUTION OF BENTHIC PLANTS, MAP SCALE: 1" TO 660'
COMMUNITY STRUCTURE ANALYSIS	LAND	CALCULATED	CATEGORIES	12	OBS			AREAS ARE DESCRIBED AS BEING IN ONE OF TWELVE CATEGORIES, INDEX OF DOMINANCE

000182

BOMBAY HOOK NATIONAL WILDLIFE REFUGE BASE LINE STUDY
DATA COLLECTED: OCTOBER 1970 TO OCTOBER 1970

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY, DELAWARE BOMBAY HOOK ISLAND

ABSTRACT:
MISSION W029, FLT. 1, OCTOBER 19, 1970. WITH WALLOPS STATION CHARTERED BELL 205 HELICOPTER EQUIPPED WITH A POD OF 4 T-11 AERIAL MAPPING CAMERAS. FLIGHT MADE FOR CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE FOR PURPOSE OF OBTAINING BASE LINE REMOTE SENSOR DATA OVER THE BOMBAY HOOK WILDLIFE REFUGE BETWEEN THE SMYRNA RIVER AND LITTLE RIVER ON DELAWARE SHORE OF DELAWARE BAY. FLIGHT IN CLEAR WEATHER, SLIGHT HAZE, AIR TEMP. 0 DEG. C AT 10,000 FT., MSL WITH WIND OF 28 KNOTS FROM 280 DEG. (MISSION NO W029, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
108 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			2 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	2 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	108 OBS		10000 FT	6 INCH FOCAL LENGTH

BLACKWATER WILDLIFE REFUGE BASE LINE STUDY
DATA COLLECTED: OCTOBER 1970 TO OCTOBER 1970

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, BLACKWATER WILDLIFE REFUGE

ABSTRACT:
MISSION W029, FLT. 2, OCTOBER 19, 1970, WITH WALLOPS STATION CHARTERED BELL 205 HELICOPTER EQUIPPED WITH A POD OF 4 T-11 AERIAL MAPPING CAMERAS. OBJECTIVE - TO OBTAIN BASE LINE REMOTE SENSOR DATA FOR CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE OVER THE BLACKWATER WILDLIFE REFUGE LOCATED IN THE CHESAPEAKE BAY WETLANDS AREA SOUTH OF CAMBRIDGE, MD. FLIGHT IN CLEAR WEATHER, SLIGHTLY HAZY, AIR TEMP. 10 DEG. C AT 1000 FT. AND 8 DEG. C FROM 10,000 FT., MSL WITH WIND OF 20 KNOTS FROM 280 DEG. (MISSION NO W029, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
132 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			4 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	4	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	132	OBS		48 OBS AT 1000 FT, 44 OBS AT 5000 FT, 40 OBS AT 10000 FT	6 INCH FOCAL LENGTH

CHINCOTEAGUE NATIONAL WILDLIFE REFUGE BASE LINE STUDY
DATA COLLECTED: OCTOBER 1970 TO OCTOBER 1970

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, CHINCOTEAGUE

ABSTRACT:
MISSION W029, FLT. 3, OCTOBER 19, 1970. WALLOPS STATION CHARTERED BELL 205 HELICOPTER EQUIPPED WITH A POD OF T-11 AERIAL MAPPING CAMERAS. OBJECTIVE - TO OBTAIN REMOTE SENSOR BASE LINE DATA OF ACTIVE WILDLIFE AREAS IN CHINCOTEAGUE - TOM'S COVE - ASSETEAGUE AREA. FLIGHT MADE FOR THE CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE. FLIGHT IN CLEAR WEATHER, AIR TEMP. +8 DEG. -C AT 1000 FT., MSL WITH WIND OF 20 KNOTS FROM 280 DEG.
(MISSION NO W029, FLT 3)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
256 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	256	OBS		54 OBS AT 5000 FT, 202 OBS AT 1000 FT	8 INCH FOCAL LENGTH

000186

VIRGINIA BEACH HEALTH DEPARTMENT/LYNNHAVEN AREAS
DATA COLLECTED: DECEMBER 1970 TO DECEMBER 1970

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, VIRGINIA BEACH, LYNNHAVEN

ABSTRACT:
MISSION W37, FLT. 1, DEC. 7, 1970, WITH WALLOPS STATION CHARTERED HELICOPTER EQUIPPED WITH 4 T-11 AERIAL CAMERAS IN COOPERATION WITH VA. BEACH HEALTH DEPT. OBJECTIVE - TO UTILIZE MULTI-CHANNEL PHOTOGRAPHY TO INVESTIGATE EFFECTS OF SEWAGE DISPOSAL IN ESTUARINE SYSTEMS. FLIGHT IN CLEAR WEATHER, SCATTERED CLOUDS, AIR TEMP. 8 DEG. C AT 4000 FT, MSL WITH WIND OF 25 KNOTS FROM 330 DEG.
(MISSION NO W37, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
152 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	2 STATIONS			2 FLIGHT LINES
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	152 OBS		4000 FT	6 INCH FOCAL LENGTH

INVESTIGATIONS OF MARYLAND'S TIDAL SHORELINES
DATA COLLECTED: FEBRUARY 1973 TO FEBRUARY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:
ERTS

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, ASSATEAGUE ISLAND TO FENWICK ISLAND

ABSTRACT:
MISSION W188, FLT. 1, FEB. 12, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AND AN I2S CAMERA SYSTEM IN COOPERATION WITH MD. GEOLOGICAL SURVEY. OBJECTIVE - TO CONTINUE MONITORING THE MD. SHORELINES FOR CHANGES IN LAND FORM CONFIGURATION AND UNDERWATER SHIFTS IN SAND BARS AND CHANNELS. IMAGERY WILL ALSO BE USED WHEN POSSIBLE FOR LAND USE, COMMUNITY LRBANIZATION, AND ARCHEOLOGICAL STUDIES. FLIGHT IN CLEAR WEATHER, AIR TEMP. 4 DEG. C AT 10,500 FT., MSL WITH WIND OF 28 KNOTS FROM 320 DEG.
(MISSION NO W188, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
235 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730787 730786 730796 730775 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			11 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	11	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	235	OBS		10500 FT	100 MM AND 152 MM FOCAL LENGTH

SHOALS AND ISLANDS OFF THE MOUTH OF THE SUSQUEHANNA RIVER
DATA COLLECTED: AUGUST 1973 TO AUGUST 1973
RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, SUSQUEHANNA RIVER, SASSAFRAS RIVER

ABSTRACT:
MISSION W227, FLT. 2, AUGUST 13, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS. OBJECTIVE - TO OBTAIN IMAGERY OF SHOALS AND ISLANDS OFF MOUTH OF SUSQUEHANNA RIVER IN CHESAPEAKE BAY. IMAGERY WILL BE COMPARED WITH IMAGERY TAKEN BEFORE TROPICAL STORM AGNES TO DETERMINE THE EFFECT OF THE STORM ON THESE SHOALS AND ISLANDS. FLIGHT MADE IN SCATTERED TO BROKEN CLOUDS WITH SOME HAZE, AIR TEMP. 5 DEG. C AT 10,500 FT., MSL WITH WIND OF 15 KNOTS FROM 320 DEG. (MISSION NO W227, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
50 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730796 730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			3 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	3	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	50	OBS		12500 FT	152 MM FOCAL LENGTH

000202

WACHAPREAGUE TIDAL MARSH STUDY
DATA COLLECTED: JULY 1973 TO JULY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE

ABSTRACT:
MISSION W232, FLT. 1, JULY 24, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS, IN COOPERATION WITH VA. INSTITUTE OF MARINE SCIENCE. OBJECTIVE - TO PRODUCE A FILM RECORD OF THE AERIAL EXTENT AND PLANT VIGOR OF MARSH GRASSES IN THE FOOL S GUT AREA OF WACHAPREAGUE TIDAL MARSHES. FLIGHT IN SLIGHTLY CLOUDY WEATHER, VISIBILITY UP TO 5 MILES, AIR TEMP. WAS 12 DEG. C AT 5000 FT., MSL WITH WIND OF 10 KNOTS FROM 045 DEG.
(MISSION NO W232, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
165 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	9	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	165	OBS		133 OBS AT 5000 FT, 32 OBS AT 10000 FT	152 MM FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, BLACKWATER WILDLIFE REFUGE

ABSTRACT:
MISSION W238, FLT. 1, ACCOMPLISHED ON SEPT. 24, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF SMITHSONIAN INSTITUTE. OBJECTIVE - TO OBTAIN COLOR AND COLOR INFRARED IMAGERY OF BLACKWATER NATIONAL WILDLIFE REFUGE WETLANDS FOR USE IN MAPPING THE WETLAND VEGETATION. (MISSION NO W238, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
150 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			12 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	12	STATIONS			
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	160	OBS		6000 FT	152 MM FOCAL LENGTH

000221

STREAM IMPROVEMENT PROGRAM FOR ANADROMOUS FISH MANAGEMENT, AFC-3; STREAM INVESTIGATION AND IMPROVEMENT
DATA COLLECTED: SEPTEMBER 1968 TO AUGUST 1970

RECEIVED: NOVEMBER 19, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

ABSTRACT:
188 STREAMS IN MARYLAND WERE INVENTORIED TO IDENTIFY THOSE HAVING POTENTIAL TO SUPPORT SPAWNING RUNS OF ANADROMOUS FISH, TO DETERMINE PROBLEM AREAS, HABITAT TYPE, DEVELOPMENTAL STATUS AND OTHER ECOLOGICAL INFORMATION. LOGS OR OTHER OBSTRUCTIONS TO MIGRATION WERE REMOVED FROM MANY STREAMS.
(AVERAGE STREAM WIDTHS AND AVERAGE MIDDLE DEPTHS ESTIMATED OR MEASURED AT VARIOUS INTERVALS ON THE STREAMS; ALSO AVAIL AS SUMMARY REPORT)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
SEVERAL NOTEBOOKS OF DATA SHEETS AND SUMMARY REPORT.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
C JAY O'DELL 301-267-5361
DEPARTMENT OF NATURAL RESOURCES, FISHERIES ADMINISTRATION
TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730796 730795 730786 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	188	STATIONS			MARYLAND DRAINAGE STREAMS EACH STREAM DIVIDED INTO SEGMENTS FOR INVENTORY
TIME	EARTH	STATION TIME	YMD	188	OBS			
LAND USE	LAND	VISUAL	HABITAT TYPE	188	OBS			THE IMMEDIATE SHORE IS DESCRIBED IN GENERAL TERMS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							TO DOCUMENT HABITAT TYPE, AND TO DOCUMENT DEVELOPMENTAL STATUS; BARRIERS AND PROBLEM AREAS ARE INVENTORIED AND CLASSIFIED ; IMPROVEMENTS WERE MADE TO CERTAIN AREAS OF 36 STREAMS

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, POTOMAC RIVER

ABSTRACT:
STREAM POTENTIAL FOR ANADROMOUS FISH SPAWNING WAS INVESTIGATED BY SURVEYING HABITAT TYPES AND NOTING PROBLEM AREAS ALONG THE SHORELINES OF 66 STREAMS IN THE UPPER CHESAPEAKE BAY DRAINAGE.
(STREAMS WIDTHS AND DEPTHS ESTIMATED OR MEASURED AT VARIOUS POINTS ALONG THE WATER COURSES; ALSO AVAIL AS SUMMARY REPORT)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS; MAGNETIC DISC
DATA STORED ON SEVERAL COMPUTER TAPES; ALSO AVAILABLE AS PRINT ED SUMMARY.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
C JAY O'DELL 301-267-5361
DEPARTMENT OF NATURAL RESOURCES, FISHERIES ADMINISTRATION
TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730787 730786 730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	110	STATIONS			POTOMAC RIVER DRAINAGE STREAMS
TIME	EARTH	STATION TIME	YMD	110	OBS			EACH STREAM IS DIVIDED INTO SEGMENTS FOR INVENTORY
LAND USE	LAND	VISUAL	HABITAT TYPE	110	OBS			THE IMMEDIATE SHORE IS DESCRIBED IN GENERAL TERMS TO DOCUMENT HABITAT TYPE, ALSO TO

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								DOCUMENT DEVELOPMENTAL STATUS; BARRIERS AND PROBLEM AREAS ARE INVENTORIED AND CLASSIFIED
TEMPERATURE	WATER	THERMISTOR	DEG C	110	OBS			MEASURED AT EACH SEGMENT
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	110	OBS			MEASURED AT EACH SEGMENT

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY

ABSTRACT:
STREAM POTENTIAL FOR ANADROMOUS FISH SPAWNING WAS INVESTIGATED BY SURVEYING HABITAT TYPES, AND NOTING PROBLEM AREAS, ALONG THE SHORELINES OF 110 STREAMS IN THE POTOMAC RIVER DRAINAGE.
(STREAMS WIDTHS AND DEPTHS ESTIMATED OR MEASURED AT VARIOUS POINTS ALONG THE WATERCOURSES; ALSO AVAIL AS SUMMARY REPORT)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS; MAGN TIC DISC
DATA IS BEING TRANSFERRED FROM SEVERAL FILES OF RECORDING FORMS TO COMPUTER TAPES. AVAILABLE ALSO IN A SUMMARY REPORT.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
C JAY O'DELL 301-267-5361
DEPARTMENT OF NATURAL RESOURCES, FISHERIES ADMINISTRATION
TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
;30796 730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	66	OBS			UPPER CHESAPEAKE BAY DRAINAGE STREAMS
TIME	EARTH	STATION TIME	YMD	66	OBS			EACH STREAM IS DIVIDED INTO SEGMENTS FOR INVENTORY
LAND USE	LAND	VISUAL	HABITAT TYPE	66	OBS			THE IMMEDIATE SHORE IS DESCRIBED IN GENERAL TERMS TO DOCUMENT HABITAT TYPE, ALSO TO

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								DOCUMENT DEVELOPMENTAL STATUS; BARRIERS AND PROBLEM AREAS ARE INVENTORIED AND CLASSIFIED
TEMPEPATURE	WATER	THERMISTOR	DEG C	66	OBS			MEASURED AT EACH STREAM SEGMENT
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	66	OBS			MEASURED AT EACH STREAM SEGMENT

000232 SURVEY OF ANADROMOUS FISH SPAWNING AREAS; MAGOTHY, PATAPSCO, BACK, MIDDLE RIVER DRAINAGES; STREAM INVESTIGATION
DATA COLLECTED: JANUARY 1973 TO PRESENT

RECEIVED: NOVEMBER 19, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY MARYLAND

ABSTRACT:
100 STREAMS IN MARYLAND WERE INVENTORIED TO IDENTIFY THOSE HAVING POTENTIAL TO SUPPORT SPAWNING RUNS OF ANADROMOUS FISH, TO DETERMINE PROBLEM AREAS, HABITAT TYPE, DEVELOPMENTAL STATUS AND OTHER ECOLOGICAL INFORMATION. (AVAILABLE ALSO IN SUMMARY REPORT, AVERAGE STREAM WIDTHS AND AVERAGE MIDDLE DEPTHS ESTIMATED OR MEASURED AT VARIOUS INTERVALS ON THE STREAMS)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
MAGNETIC DISC
SEVERAL NOTEBOOKS OF DATA FORMS ARE STORED ON COMPUTER TAPE.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
C JAY O'DELL 301-267-5361
DEPARTMENT OF NATURAL RESOURCES, FISHERIES ADMINISTRATION
TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	100	STATIONS			
TIME	EARTH	STATION TIME	YMD	100	STATIONS			EACH STREAM IS DIVIDED INTO SEGMENTS FOR INVENTORY
LAND USE	LAND	VISUAL	HABITAT TYPE	0	OBS			THE IMMEDIATE SHORE DESCRIBED IN GENERAL TERMS TO DOCUMENT HABITAT TYPE, ALSO TO

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								DOCUMENT DEVELOPMENTAL STATUS; BARRIERS AND PROBLEM AREAS ARE INVENTORIED AND CLASSIFIED
TEMPERATURE	WATER	THERMISTOR	DEG C	100	OBS			MEASURED AT EACH STREAM SEGMENT
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	100	OBS			MEASURED AT EACH STREAM SEGMENT

000801

EDAPHIC FACTORS AND PRODUCTIVITY OF ESTUARINE MARSHES
DATA COLLECTED: JUNE 1971 TO MAY 1972

RECEIVED: MAY 16, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, VIRGINIA, EASTERN SHORE, WACHAPREAGUE MARSH YORK RIVER, WARE AND CARTER CREEK MARSHES

ABSTRACT:
DATA ON THE EDAPHIC FACTORS AND PRODUCTIVITY OF 3 ESTUARINE MARSHES OF THE EASTERN SHORE OF VIRGINIA WERE COLLECTED AT 2 STATIONS MONTHLY FOR 10 MONTHS DURING 1972.

DATA AVAILABILITY:
COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
2 STATIONS SAMPLED MONTHLY FOR 10 MONTHS

FUNDING:

INVENTORY:

PUBLICATIONS:
VIRGINIA INSTITUTE OF MARINE SCIENCE THESIS

CONTACT:
LIBRARIAN 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS	MONTHLY		
TIME	EARTH	STATION TIME	YMDL	20	STATIONS	2 STN/MO		
ORGANIC NITROGEN	SEDIMENT	SPECTROPHOTOMETRY	PARTS PER MILLION	400	OBS	2 STN/MO	0 TO 8 CM INTEGRAL	KJELDAHL
PHOSPHORUS	SEDIMENT	SPECTROPHOTOMETRY	PARTS PER MILLION	400	OBS	2 STN/MO	0 TO 8 CM INTEGRAL	MOLYBDATE BLUE
CALCIUM	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	400	OBS	2 STN/MO	0 TO 8 CM INTEGRAL	
MAGNESIUM	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	400	OBS	2 STN/MO	0 TO 8 CM INTEGRAL	
POTASSIUM	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	400	OBS	2 STN/MO	0 TO 8 CM INTEGRAL	
PH	INTERSTITIAL	SPECIFIC ION ELECTRODE	PH UNITS	400	OBS	2 STN/MO	0 TO 8 CM INTEGRAL	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
SALINITY	INTERSTITIAL	CONDUCTIVITY	PARTS PER THOUSAND	400	OBS	2 STN/MO	0 TO 8 CM INTEGRAL	
ORGANIC NITROGEN IN BIO MATERIAL	LAND	SPECTROPHOTOMETRY	MICROGRAMS PER GRAM DRY WEIGHT	400	OBS	2 STN/MO		KJELDAHL, MARSH GRASS
PHOSPHORUS IN BIO MATERIAL	LAND	SPECTROPHOTOMETRY	MICROGRAMS PER GRAM DRY WEIGHT	400	OBS	2 STN/MO		MOLYBDATE BLUE, MARSH GRASS
BIOMASS OF BENTHIC PLANTS	LAND	CROPPING	GRAMS PER METER SQUARE PER YEAR PER SPECIES	13	OBS	2 STN/MO		MARSH GRASS
COUNT OF BENTHIC PLANTS	LAND	VISUAL	STEMS PER SQUARE METER AREA	13	OBS	2 STN/MO		MOLYBDATE BLUE, MARSH GRASS

INVENTORY AND EVALUATION OF TIDAL WETLANDS IN MATHEWS COUNTY, VIRGINIA
DATA COLLECTED: FEBRUARY 1973 TO MARCH 1973
RECEIVED: MAY 16, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, MATHEWS COUNTY

ABSTRACT:
AN ESTIMATE OF THE VALUE INDEX AND WILDLIFE USAGE OF THE TIDAL WETLANDS OF MATHEWS COUNTY, VIRGINIA BASED ON 300 CROPPINGS OF MARSH PLANTS IN THE LATE WINTER OF 1973. PLANTS WERE IDENTIFIED TO SPECIES, COUNTED AND WEIGHED. (MAPS, PHOTOGRAPHS AND LAND USE INFORMATION INCLUDED)

DATA AVAILABILITY:

PLATFORM TYPES:

ARCHIVE MEDIA:
REPORTS
A REPORT OF 300 CROPPINGS OF MARSH PLANTS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
KENNETH MARCELLUS 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	300	STATIONS			STATIONS ARE DISCRETE PARCELS OF WETLAND
TIME	EARTH	STATION TIME	YMDL	300	STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF SPECIES PER MAP LOCATION	300	OBS			MARSH PLANTS
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER AREA	300	OBS			MARSH PLANTS
TIDAL ZONE AREA	LAND	VISUAL	PER CENT	300	OBS			WETLANDS
YIELD OF BENTHIC PLANTS	LAND	CROPPING	TONS PER ACRE PER YEAR	300	OBS			MARSH PLANTS
SHORE LINE LENGTH	LAND	DIRECT	FEET PER WETLAND AREA	300	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
LAND USE	LAND	VARIOUS	VARIOUS	300	OBS			VALUE INDEX OF WETLAND, WILDLIFE USAGE OF WETLAND

DATA COLLECTED: SEPTEMBER 1972 TO NOVEMBER 1972 RECEIVED: MAY 16, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, LANCASTER COUNTY

ABSTRACT:
AN ESTIMATE OF THE VALUE INDEX AND WILDLIFE USAGE OF THE WETLANDS OF LANCASTER COUNTY, VIRGINIA BASED ON 210 SEPERATE CROPPINGS OF MARSH PLANTS IN THE FALL OF 1972. PLANTS WERE IDENTIFIED TO SPECIES, COUNTED AND WEIGHED. (MAPS, PHOTOGRAPHS AND LAND USE INFORMATION INCLUDED)

DATA AVAILABILITY:

PLATFORM TYPES:

ARCHIVE MEDIA:
REPORTS
REPORT OF 210 CROPPINGS OF MARSH PLANTS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
KENNETH MARCELLUS 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	210	STATIONS			STATIONS ARE DISCREET PARCELS OF WETLAND
TIME	EARTH	STATION TIME	YMDL	210	STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF SPECIES PER MAP LOCATION	210	OBS			MARSH PLANTS
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER AREA	210	OBS			MARSH PLANTS
TIDAL ZONE AREA	LAND	VISUAL	PER CENT	210	OBS			WETLANDS
YIELD OF BENTHIC PLANTS	LAND	CROPPING	TONS PER ACRE PER YEAR	210	OBS			MARSH PLANTS
SHORE LINE LENGTH	LAND	DIRECT	FEET PER WETLAND AREA	210	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
LAND USE	LAND	VARIOUS	VARIOUS	210 OBS			VALUE INDEX OF WETLAND, WILDLIFE USAGE OF WETLAND

000814

RECOGNITION BY REMOTE SENSING OF WETLAND VEGETATION
DATA COLLECTED: JUNE 1972 TO PRESENT

RECEIVED: MAY 30, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, YORK RIVER, PAMUNKEY RIVER, PURTAN ISLAND MARSH, SWEET HALL MARSH, TASKINAS CREEK MARSH

ABSTRACT:
SPECIES DETERMINATION, BIOMASS AND BODY LENGTH WERE RECORDED MONTHLY FOR PLANTS COLLECTED AT 10 LOCATIONS IN THE PURTAN ISLAND, SWEET HALL AND TASKINAS CREEK MARSHES OF THE CHESAPEAKE BAY AREA, BEGINNING IN JUNE 1972 AND CONTINUING TO THE PRESENT. THE DOMINANT SPECIES FOR EACH MARSH WAS RECORDED. SPECIES RECOGNITION WAS ATTEMPTED WITH INFRARED, COLOR AND BLACK AND WHITE PHOTOGRAPHS. THE RESULTS OF THE STUDY ARE AVAILABLE IN THE FORM OF DATA SHEETS FROM VIMS. FILM RECORDS ARE HELD AT NASA LANGLEY AND VIMS.
(FILM RECORDS HELD AT NASA LANGLEY AND VIMS)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
DATA SHEETS; ORIGINAL FILM
120 STATIONS

FUNDING:
NASA LANGLEY

INVENTORY:

PUBLICATIONS:

CONTACT:
KENNETH MARCELLUS 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	10	STATIONS	MONTHLY		3 MARSHES SAMPLED
TIME	EARTH	SAMPLING TIME KEY	YMDHL	120	STATIONS	MONTHLY		
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND		NUMBER OF SPECIES PRESENT PER MARSH	120	OBS	MONTHLY		DOMINANT SPECIES RECORDED, ATTEMPTED SPECIES RECOGNITION WITH INFRARED,

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
BIOMASS OF BENTHIC PLANTS	LAND	WET WEIGHT	GRAMS PER SQUARE METER	120	OBS	MONTHLY		COLOR AND BLACK WHITE PHOTOGRAPHS
LENGTH OF BENTHIC PLANTS	LAND	DIRECT	METERS	120	OBS	MONTHLY		MARSH PLANTS

00082:

ENVIRONMENTAL IMPACT OF PROPOSED MARINA IN YORK RIVER STATE PARK
DATA COLLECTED: OCTOBER 1972 TO OCTOBER 1972

RECEIVED: MAY 30, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, YORK RIVER, TASKINAS CREEK

ABSTRACT:
BIOMASS AND ANNUAL YIELD PER ACRE, SPECIES DETERMINATION AND BODY LENGTH WERE RECORDED FOR BENTHIC PLANTS IN THE TASKINAS CREEK, VIRGINIA DURING OCTOBER 1972. WATER SAMPLES WERE ANALYZED FOR SALINITY AND TOTAL ORGANIC CARBON, AND THE WATER TRANSPORT RATE OF THE CREEK WAS MEASURED. THE RESULTS OF THE STUDY ARE AVAILABLE ON DATA SHEETS FROM VIMS, ALONG WITH COMMENTS ON WILDLIFE USEAGE.
(DATA CONTAINS COMMENTS ON WILDLIFE USAGE)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
62 OBS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
KENNETH MARCELLUS 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			
TIME	EARTH	STATION TIME	YMDL	1 STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF SPECIES PER MARSHLAND AREA	1 OBS			MARSH PLANTS
BIOMASS OF BENTHIC PLANTS	LAND	DRY WEIGHT	TONS PER ACRE	1 OBS			MARSH PLANTS
YIELD OF BENTHIC PLANTS	LAND	CROPPING	TONS PER ACRE PER YEAR	1 OBS			MARSH PLANTS
LENGTH OF BENTHIC PLANTS	LAND	DIRECT	METERS	1 OBS			MARSH PLANTS
ORGANIC CARBON	WATER	WET COMBUSTION/	MG PER LITER	28 OBS		FOURTEEN	TWO TIDAL

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
		INFRARED SPECTROMETRY				HOURLY SAMPLES PER TIDAL CYCLE	CYCLES SAMPLED
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	28 OBS		FOURTEEN HOURLY SAMPLES PER TIDAL CYCLE	TWO TIDAL CYCLES SAMPLED
WATER TRANSPORT	WATER	IMPELLOR METER	CUBIC METERS PER TIDAL CYCLE	2 OBS			TWO TIDAL CYCLES SAMPLED

THE EFFECTS OF THERMAL LOADING BY THE BREMO POWER STATION ON A PIEDMONT SECTION OF THE JAMES RIVER

DATA COLLECTED: JULY 1971 TO JUNE 1973

RECEIVED: JULY 13, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, JAMES RIVER, BREMO BLUFF TO COLUMBIA

ABSTRACT:
PIEDMONT SECTION OF JAMES RIVER, VIRGINIA STUDIED FOR EFFECTS OF THERMAL LOADING BY POWER STATION-INCLUDES PERIOD OF HURRICANE AGNES. ABIOTIC AND BIOTIC MESSUREMENTS MADE.
(DATA INCLUDES PERIOD OF HURRICANE AGNES; COLLECTIONS KEPT AT VA INST OF SCI RESEARCH)

DATA AVAILABILITY:
WITH APPROVAL REPORTS SENT TO OFFICE OF WATER RESEARCH, VIRGINIA ELECTRIC AND POWER COMPANY

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS; DATA SHEETS
25 PARAMETERS MEASURED OVER 24 MONTHS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
WILLIAM S WOOLCOTT 703-282-9581
VIRGINIA INSTITUTE FOR SCIENTIFIC RESEARCH
RICHMOND VIRGINIA USA 23229

GRID LOCATOR (LAT):
730776 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	10	STATIONS	60 TIMES PER YEAR		
TIME	EARTH	SAMPLING TIME	YMDHL	21600	STATIONS	60 TIMES PER YEAR		
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	21600	OBS	60 TIMES PER YEAR	SURFACE	TEMPERATURE PROFILES TAKEN 6 TIMES PER YEAR
PH	WATER	SPECIFIC ION ELECTRODE	UNITS	21600	OBS	60 TIMES PER YEAR	SURFACE	
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	MILLIGRAMS PER LITER	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE	WINKLER TITRATION CHECK

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
AMMONIA	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE	
NITRATE	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE	
NITRITE	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE	
PHOSPHORUS	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE	
ORTHOPHOSPHATE	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE	
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	FEET	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE	
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS PER SAMPLE	151200	OBS	60 TIMES PER YEAR	BOTTOM	108000 SHORE BENTHOS COLLECTED USING MODIFIED TONGS, ARTIFICIAL SUBSTRATE USED TO COLLECT 43,200 ORGANISMS SUSPENDED 1 FT. OFF BOTTOM
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF SPECIES PER SAMPLE, NUMBER OF INDIVIDUALS PER SPECIES PER SAMPLE	151200	OBS	60 TIMES PER YEAR	BOTTOM	108000 SHORE BENTHOS COLLECTED USING MODIFIED TONGS, ARTIFICIAL SUBSTRATE USED TO COLLECT 43,200 ORGANISMS SUSPENDED 1 FT. OFF BOTTOM
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS PER STATION	540	OBS	18 TIMES PER YEAR		220V 1 1/2 TO 3 AMP ELECTRIC SHOCK. 100 TO 250 YARDS PER STATION
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES PER STATION, NUMBER OF INDIVIDUAL SPECIES PER STATION	540	OBS	18 TIMES PER YEAR		220V 1 1/2 TO 3 AMP ELECTRIC SHOCK. 100 TO 250 YARDS PER STATION
BIOMASS OF DEMERSAL FISH	WATER	WET WEIGHT	GRAMS, SPECIES PER STATION	540	OBS	18 TIMES PER YEAR		
LENGTH OF DEMERSAL FISH	WATER	STANDARD LENGTH	MILLIMETERS	540	OBS	18 TIMES PER YEAR		LENGTH RANGE RECORDED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DIVERSITY INDEX OF DEMERSAL FISH	WATER	SHANNON-WEAVER	NUMBERS	540	OBS	18 TIMES PER YEAR		
STOMACH CONTENT ANALYSIS OF DEMERSAL FISH	WATER	VISUAL	PERCENTAGE OF SPECIES INGESTED PER FISH SPECIES	540	OBS	18 TIMES PER YEAR		
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF SPECIES PER STATION	540	OBS	18 TIMES PER YEAR		ESTIMATES AS TO QUANTITY, SAMPLES COLLECTED ON SHORE
SPECIES DETERMINATION OF BENTHIC PLANTS	BOTTOM	KEY	NUMBER OF SPECIES PER SLIDE	180	OBS	6 TIMES PER YEAR		SAMPLES COLLECTED ON GLASS SLIDES SET IN RIVER
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS PER SLIDE	180	OBS	6 TIMES PER YEAR		SAMPLES COLLECTED ON GLASS SLIDES SET IN RIVER
PARTICULATE MATTER	WATER	MEMBRANE FILTRATION	PARTS PER MILLION	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE	

056

DATA COLLECTED: JULY 1964 TO NOVEMBER 1964 RECEIVED: JULY 31, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, POROTANK RIVER

ABSTRACT:
FLORAL SURVEY AND COMMUNITY STRUCTURE ANALYSIS OF THE TIDAL MARSHES OF THE POROPOTANK RIVER VA.

DATA AVAILABILITY:

PLATFORM TYPES:

ARCHIVE MEDIA:
REPORTS
63 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS THESIS, 1966, J A KERWIN

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	6	STATIONS			RIVER SYSTEM DIVIDED INTO SIX SAMPLING STRATA
TIME	EARTH	STATION TIME	YML	6	STATIONS			SUMMER, 1964
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF SPECIES PER STRATA	77	OBS			CHECKLIST OF 77 SPECIES WITH SCIENTIFIC AND COMMON NAMES
COMMUNITY STRUCTURE ANALYSIS	WATER	CALCULATED	NUMBERS	6	STATIONS			MARSH PLANTS, RELATIVE FREQUENCY, DENSITY, DOMINANCE AND IMPORTANCE VALUES, E

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	13 OBS			PHILLIPS 1959 AVERAGE SALINITY OVER PERIOD OF STUDY

0550

001146

DYNAMIC BASIN CHARACTERISTICS STUDY-SOWBRIDGE RIVER, DELAWARE AND BEAVER DAM RIVER, MARYLAND

DATA COLLECTED: NOVEMBER 1972 TO NOVEMBER 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, BEAVER DAM BRANCH, DELAWARE, SOWBRIDGE BRANCH

ABSTRACT:
MISSION W180, FLT. 1, WITH WALLOPS STA. C-54 AIRCRAFT EQUIPPED WITH T-11 AND AN I2S CAMERA SYSTEM ON NOV 16, 1972, IN COOPERATION WITH THE GEOLOGICAL SURVEY OF THE DEPT OF INTERIOR. THE FLIGHT MADE OVER SOWBRIDGE AND BEVER DAM RIVERS IN DEL. AND MD. OBJECTIVE - TO EXPOSE ANY DYNAMIC BASIN CHARACTERISTIC CHANGES THAT HAVE TAKEN PLACE SINCE THE LAST PHOTO MISSION OF OCT. 25, 1972. GOOD WEATHER WITH THIN OVERCAST, VISIBILITY 5-6 MILES, AIR TEMP. 8 DEG C AT 5000 FT. AND 2 DEG C AT 10,000 FT., MSL WIND OF 20 KNOTS FROM 138 DEG.
(MISSION NO W180, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
204 9 X 9 FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	204	OBS		164 AT 5000 FT, 40 AT 10000 FT	6 INCH FOCAL LENGTH

001147

WACHAPREAGUE MARSH INVESTIGATIONS
DATA COLLECTED: NOVEMBER 1972 TO NOVEMBER 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE

ABSTRACT:
MISSION 181, FLT. 1, WITH WALLOPS STA. C-54 AIRCRAFT EQUIPPED WITH I2S AND T-11 CAMERA ON NOV. 20, 1972, IN COOPERATION WITH VA. INST. OF MARINE SCI. AT WACHAPREAGUE MARSHES. OBJECTIVE - OBTAIN PHOTOGRAPHIC IMAGERY SUITABLE FOR MAPPING MARSH VEGETATION ENCLOSED BY WACHAPREAGUE CHANNEL AND BURTON'S BAY. I2S IMAGERY WAS OBTAINED FOR MARSH VEGETATIVE STUDIES. CLEAR WEATHER, VISIBILITY FROM 12-15 MILES, AIR TEMP. -2 DEG. C AT 5,000 FT., MSL WIND OF 20 KNOTS FROM 330 DEG. (MISSION NO W181, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
581 9 X 9 INCH FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			7 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	7	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	593	OBS		577 AT 5000 FT, 16 AT 1000 FT	6 INCH FOCAL LENGTH

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, PENNSYLVANIA, CONOWINGO DAM

ABSTRACT:
MISSION W183, FLIGHT 1, JANUARY 3, 1973, UTILIZING THE WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AND AN I2S CAMERA SYSTEM IN COOPERATION WITH PENN STATE UNIV; THE FLIGHT WAS TO PROVIDE REMOTE SENSING IMAGERY TO BE USED IN CONJUNCTION WITH ERTS OVERFLIGHTS IN DEVELOPING INTERPRETATION TECHNIQUES AND PROCEDURES FOR REGIONAL RESOURCES MANAGEMENT STUDIES. CLEAR WEATHER, VISIBILITY FROM 8 TO 10 MILES. AIR TEMPERATURE WAS -3 DEG. C AT 12,500 FT. MSL, WIND OF 30 KNOTS FROM NORTH - NORTHEAST.
(MISSION NO W183, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
129 9 X 9 FRAMES; 255 2.7 X 2.7 INCH FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
740707 740706 730736

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	384	OBS		197 AT 12500 FT, 187 AT 7500 FT	100 MM AND 152 MM FOCAL LENGTH

001151

LAND FILL AND EUTROPHICATION STUDIES
DATA COLLECTED: JANUARY 1973 TO JANUARY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, POTOMAC RIVER

ABSTRACT:
MISSION W185, FI. 1, JAN. 26, 1973, WITH WALLOPS STA. C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AND 4 HASSELBLAD CAMERAS IN COOPERATION WITH NASA, LANGLEY RES. CTR. AND THE EPA. THE OBJECTIVE - INVESTIGATE THE USE OF REMOTE SENSING AS APPLIED TO LAND FILL AND EUTROPHICATION STUDIES IN THE WOODBRIDGE AND POTOMAC RIVER AREAS. CLEAR WEATHER, VISIBILITY 4-10 MILES, AIR TEMP. 9 DEG. C AT 10,000 FT. AND 14 DEG. C AT 4500 FT., MSL WIND OF 20 KNOTS FROM 300 DEG.
(MISSION NO W185, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
ORIGINAL FILM
71 9 X 9 INCH FRAMES; 296 70 MM FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730796 730786 730787

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			10 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	10	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	367	OBS		103 AT 10000 FT, 264 AT 4500 FT	40 MM AND 152 MM FOCAL LENGTH

TROPHIC LEVEL STUDY OF A SALT MARSH COMMUNITY IN THE ELIZABETH RIVER
DATA COLLECTED: JANUARY 1972 TO JANUARY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, ELIZABETH RIVER

ABSTRACT:
REPRESENATIVE QUADRAT SAMPLING OF A MARSH IN THE ELIZABETH RIVER, VA. REPORT DISCUSSES ASPECTS OF TROPHIC LEVELS IN A SALT MARSH COMMUNITY

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
12 SAMPLING PERIODS

FUNDING:

INVENTORY:

PUBLICATIONS:
ODU THESIS, M ROBBLEE, 1973

CONTACT:
HAROLD G. MARSHALL 804-489-8000
OLD DOMINION UNIVERSITY
DEPT OF BIOLOGICAL SCIENCES
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	STATION TIME	YMDL	12	STATIONS	MONTHLY		
BIOMASS OF BENTHIC PLANTS	LAND	WET WEIGHT	GRAMS PER ACRE	12	OBS	MONTHLY		REPRESENTATIVE SAMPLING IN QUADRANTS, MARSH GRASS
BIOMASS OF BENTHIC PLANTS	LAND	DRY WEIGHT	GRAMS PER ACRE	12	OBS	MONTHLY		REPRESENTATIVE SAMPLING IN QUADRANTS, MARSH GRASS
BIOMASS OF BENTHIC ANIMALS	BOTTOM	WET WEIGHT	GRAMS PER ACRE	12	OBS	MONTHLY		
BIOMASS OF	BOTTOM	DRY WEIGHT	GRAMS PER ACRE	12	OBS	MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
BENTHIC ANIMALS								
STOMACH CONTENT ANALYSIS OF DEMERSAL FISH	WATER	VISUAL	PERCENT COMPOSITION	12	OBS	MONTHLY		
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES PER SAMPLE, NUMBER OF INDIVIDUALS PER SPECIES	12	OBS	MONTHLY		
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS PER SAMPLE	12	OBS	MONTHLY		

PRODUCTION AND DECAY OF MARSH ELDER (IVA FRUTESCENS)
DATA COLLECTED: JUNE 1973 TO OCTOBER 1973

RECEIVED: AUGUST 08, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, VIRGINIA BEACH, LYNNHAVEN, ELIZABETH RIVER

ABSTRACT:
SURVEY OF MARSHES IN LYNNHAVEN BAY AND ELIZABETH RIVER, VA. TO DETERMINE THE CONTRIBUTION BY THE MARSH ELDER, IVA FRUTESCENS, TO THE TOTAL PRODUCTIVITY OF THE MARSH

DATA AVAILABILITY:

PLATFORM TYPES:

ARCHIVE MEDIA:
DATA SHEETS
150 OBSERVATIONS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL KIRK 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730766 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	15 STATIONS			EACH STATION IS A TRANSECT
TIME	EARTH	STATION TIME	YMDL	15 STATIONS			EACH STATION IS A TRANSECT
BIOMASS OF BENTHIC PLANTS	LAND	DRY WEIGHT	GRAMS PER METER	150 OBS			MARSH ELDER LEAVES IN RELATION TO TOTAL SHOOT DIAMETER; FACTORS INVOLVED IN THE DEGRADATION OF LEAVES
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	150 OBS			
TEMPERATURE	WATER	NON-REVERSING	DEG C	150 OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
WATER LEVEL	WATER	THERMOMETER VISUAL	FEET	150 OBS			

ENVIRONMENTAL CONSULTATION-WETLANDS LYNNHAVEN AREA OF LOWER CHESAPEAKE BAY AND ELIZABETH RIVER

DATA COLLECTED: JUNE 1972 TO PRESENT

RECEIVED: AUGUST 08, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA, LYNNHAVEN BAY, ELIZABETH RIVER

ABSTRACT:
SURVEY OF HYDROGRAPHIC AND BIOLOGICAL PARAMETERS OF LOWER CHESAPEAKE BAY, LYNNHAVEN BAY AND ELIZABETH RIVER, VA. DATA COLLECTED IN CONJUNCTION WITH CONTRACT WORK FOR CONTRACTORS AND LAND DEVELOPERS

DATA AVAILABILITY:
ON APPROVAL FROM CONTRACTOR

PLATFORM TYPES:

ARCHIVE MEDIA:
DATA SHEETS
200 STATIONS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL KIRK 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730776 730775 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	200	STATIONS			
TIME	EARTH	STATION TIME	YMDL	200	STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF INDIVIDUALS PER SPECIES	200	OBS			MARSH PLANTS
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF INDIVIDUALS PER SPECIES	200	OBS			
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER ACRE	200	OBS			
COUNT OF BENTHIC	BOTTOM	VISUAL	NUMBER PER ACRE	200	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ANIMALS								
BIOMASS OF BENTHIC PLANTS	LAND	DRY WEIGHT	POUNDS PER ACRE	200	OBS			
BIOMASS OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT	POUNDS PER ACRE	200	OBS			
SALINITY	WATER	HYDROMETER	PARTS PER THOUSAND	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
DISSOLVED OXYGEN GAS	WATER	TITRATION	MILLIGRAMS PER LITER	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
PH	WATER	SPECIFIC ION ELECTRODE	PH UNITS	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
COUNT OF MICROBIOTA	WATER	VISUAL	CULTURE GROWTH (MPN)	14	OBS		SURFACE AND BOTTOM	COLIFORM, LYNNHAVEN AREA
ORTHOPHOSPHATE	WATER	SPECTROPHOTOMETRY	MILLIGRAMS PER LITER	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
NITRATE	WATER	SPECTROPHOTOMETRY	MILLIGRAMS PER LITER	14	OBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	FEET	14	OBS			LYNNHAVEN AREA
SIZE ANALYSIS	SEDIMENT	SIEVE	PERCENT COMPOSITION	7	OBS		BOTTOM	LYNNHAVEN AREA

DATA COLLECTED: OCTOBER 1972 TO OCTOBER 1972 RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND

ABSTRACT:
MISSION W174, FLIGHT 1, OCTOBER 20, 1972, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA AND A I2S FOUR-CHANNEL CAMERA IN COOPERATION WITH MD. GEOLOGICAL SURVEY THROUGHOUT A LARGE PORTION OF CHESAPEAKE BAY, MD. REGION. OBJECTIVE - TO ACQUIRE AIRBORN MULTI-CHANNEL BALCK & WHITE AND FALSE COLOR IMAGERY FOR INVESTIGATION OF MD. TIDAL SHORELINES TO SUPPORT ERTS INVESTIGATIONS. WEATHER - CLEAR, VISIBILITY 10-12 MILES, AIR TEMP. 10 DEG. C AT 10,500 FT., MSL WITH A WIND OF 35 KNOTS FROM 320 DEG.
(MISSION NO W174, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
252 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730796 730786 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			12 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	12	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	252	OBS		10500 FT	6 INCH FOCAL LENGTH; MULTI-BAND CAMERA 100 MM FOCAL LENGTH

DATA COLLECTED: APRIL 1973 TO APRIL 1973 RECEIVED: JANUARY 01, 1976

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, MARYLAND, EASTON, DELAWARE, ELLENDALE

ABSTRACT:
MISSION W192, FLIGHT 1, APRIL 9, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S CAMERA SYSTEM IN COOPERATION WITH WATER RESOURCES DIV. OF U. S. GEOLOGICAL SURVEY. OBJECTIAL SCANNER WAVE-LENGTH BANDS OF VEGETATION AND DRAINAGE CHARACTERISTICS OF SOWBRIDGE AND BEAVERDAM RIVER BASINS DURING EARLY SPRING. WEATHER - HAZY WITH LOW AND HI'H SCATTERED CLOUDS, AIR TEMP. 2 DEG. C AT 9500 FT., MSL WITH WIND OF 12 KNOTS FROM 090 DEG.
(MISSION NO W192, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
130 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730785 730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS			7 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	7	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	130	OBS		40 OBS AT 9500 FT, 90 OBS AT 5500 FT	100 MM AND 152 MM FOCAL LENGTH

POCOMOKE RIVER BASIN STUDY
DATA COLLECTED: APRIL 1973 TO APRIL 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, POCOMOKE SOUND AND RIVER

ABSTRACT:
MISSION M152, FLIGHT 2, APRIL 9, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND AN I2S CAMERA SYSTEM IN COOPERATION WITH MD. DEPT OF CHESAPEAKE BAY AFFAIRS. OBJECTIVE - TO OBTAIN MULTI-BAND IMAGERY OF POCOMOKE RIVER WETLANDS FOR USE IN ANALYZING WETLAND VEGETATION. WEATHER - HAZY WITH LOW AND HIGH BROKEN CLOUDS, AIR TEMP. 2 DEG. C AT [illegible] FT., MSL WITH WIND OF 12 KNOTS FROM 090 DEG.
(MISSION NO M152, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ANCHOR MEDIA:
PHOTOPRINTS
128 2.7" X 5.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATION (LAT):
[illegible]

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			2 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	2	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	128	OBS		92 OBS AT 9500 FT, 36 OBS AT 5500 FT	100 MM AND 152 MM FOCAL LENGTH, MULTI-BAND IMAGERY

[illegible] DYNAMIC RIVER BASIN CHARACTERISTICS STUDY-SOWBRIDGE RIVERS, DELAWARE AND BEAVER DAM RIVER, MARYLAND

DATA COLLECTED: MAY 1973 TO MAY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, MARYLAND, EASTON, DELAWARE ELLENDALE

ABSTRACT:
MISSION [illegible], FLT. 1, MAY 7, 1973, WITH WALLOPS STATION HELICOPTER EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S CAMERA SYSTEM IN COOPERATION WITH WATER RES. DIV. OF U. S. GEOLOGICAL SURVEY. OBJECTIVE - TO OBTAIN IMAGERY OF EMERGENT LEAF AND PLANT ACTIVITY IN SOWBRIDGE AND BEAVER DAM RIVER BASINS. WEATHER - CLEAR, WITH MOD. HAZE, AIR TEMP. -3 DEG. AT 5500 FT., MSL WITH WIND AT 15 KNOTS FROM 33 DEG.
(MISSION NO [illegible], FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

PRODUCT MEDIA:
PHOTOPRINTS
[illegible] 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALTENGI [illegible]
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY GEOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
[illegible]

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS			6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	6	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	66	OBS		50 OBS AT 5500 FT, 16 OBS AT 9500 FT	100 MM AND 152 MM FOCAL LENGTH

DATA COLLECTED: MAY 1973 TO MAY 1973 RECEIVED: JANUARY 01, 1976

PROJECT:

GEOGRAPHIC AREA:
U.S., EASTERN, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, POCOMOKE RIVER

ABSTRACT:
MISSION #208, FLT. 2, MAY 16, 1973, WITH WALLOPS STATION HELICOPTER EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S CAMERA SYSTEM IN COOPERATION WITH U. S. GEOLOGICAL SURVEY. OBJECTIVE - TO OBTAIN REMOTE SENSING IMAGERY OF POCOMOKE RIVER AND SHORELINE LOWLAND FOR IDENTIFICATION OF WETLAND VEGETATION ALONG RIVER.
(REFERENCE NO #208, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

PRODUCT MEDIA:
PHOTOGRAPHS
230 9.5" X 9.5" AND 5" X 5" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFORD 804-824-3811
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

DATA LOCATION (LAT):
SEVERAL POINTS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			2 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHMS	2	STATIONS			
PHOTOGRAPHS	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	202	OBS		56 OBS AT 9500 FT, 146 OBS AT 6500 FT	100 MM AND 152 MM FOCAL LENGTH, REMOTE SENSING

LYNNHAVEN BAY VEGETATION STUDY
DATA COLLECTED: MAY 1973 TO MAY 1973

RECEIVED: JANUARY 01, 1976

GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, LYNNHAVEN ROADS

ACTIVITY:
MISSION #202, FLT. 1, MAY 18, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS, IN COOPERATION WITH OLD DOMINION UNIV. OBJECTIVE - OBTAIN LARGE SCALE IMAGERY OF LYNNHAVEN BAY AREA FOR USE IN MAKING ANALYSIS OF AQUATIC DISTRIBUTION USED IN DELINEATING AERIAL EXTENT OF SPECIES. WEATHER - CLOUDY.
(MISSION NO #202, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

IMAGERY MEDIA:
127 9" X 9" FRAMES

FUNDING:

KEYWORDS:

PUBLICATIONS:

CONTACT:
PAUL ALPOMAR 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

DATA LOCATION (LAT):
TAPING

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	Earth	FIXED POINT	MAP LOCATION	1	STATIONS			8 FLIGHT LINES
TIME	Earth	SAMPLING TIME	YMDHMS	8	STATIONS			
PHOTOGRAPH	Earth	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	197	OBS		3100 FT	152 MM FOCAL LENGTH

[illegible]

GEOLOGICAL INVESTIGATIONS OF MARYLAND'S ATLANTIC OCEAN AND CHESAPEAKE BAY SHORELINES, GEOLOGICAL SURVEY BRANCH OF THE MARYLAND DEPARTMENT OF NATURAL RESOURCES

DATA COLLECTED: MAY 1973 TO MAY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, POTOMAC RIVER, LITTLE ASSAWOMAN BAY TO CHINCOTEAGUE BAY

ABSTRACT:
MISSION M214, FLT. 1, MAY 17, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND I2S CAMERA SYSTEM IN COOPERATION WITH GEOLOGICAL SURVEY BRANCH OF MD. DEPT. OF NATURAL RESOURCES. OBJECTIVE - TO OBTAIN REMOTE SENSING IMAGERY IN WAVE LENGTH BANDS OF THE MULTI-SPECTRAL SCANNER ABOARD THE ERTS SATELLITE. IMAGERY WILL BE USED AS "GROUND TRUTH" FOR INTERPRETING ERTS IMAGERY WITH RESPECT TO GEOLOGIC AND WATER RESOURCES DATA. WEATHER - CLOUDY WITH VISIBILITY 3-5 MILES, AIR TEMP. 2 DEG. C AT 9500 FT., MSL WITH A WIND OF 17 KNOTS FROM 230 DEG.
(MISSION NO M214, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

BROADAS MEDIA:
PHOTOPRINTS
RIM 2.7" AND 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALTONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

DRIA LOCATOR (LAT):
730788 730786 730787 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			11 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	11	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	534	OBS		9500 FT	100 MM AND 152 MM FOCAL LENGTH

DELAWARE WETLANDS, COASTAL, AND MARINE STUDIES, COLLEGE OF MARINE STUDIES,
UNIVERSITY OF DELAWARE
DATA COLLECTED: JULY 1973 TO JULY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY

ABSTRACT:
MISSION #210, FLT. 1, JULY 7, 1973, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AERIAL MAPPING CAMERA AND AN I2S CAMERA SYSTEM IN COOPERATION WITH COLLEGE OF MARINE STUDIES OF UNIV. OF DEL. OBJECTIVE - TO OBTAIN INTERMEDIATE ALTITUDE IMAGERY OF DEL. COASTLINE OF DEL. BAY AND TRANSECTS OF BAY AT COHANSEY RIVER-BOMBAY HOOK AND AT CAPE MAY-CAPE HENLOPEN. FLIGHT MADE TO COINCIDE WITH ERTS OVERPASS AND IN SUPPORT OF GROUND TRUTH TEAMS TAKING WATER SAMPLES FROM NASA WALLOPS HELICOPTER AND UNIV. OF DEL. POWER BOATS. WEATHER - HAZY, AIR TEMP. 6 DEG. C AT 11,500 FT, MSL WITH WIND OF 14 KNOTS FROM 300 DEG. (MISSION NO #210, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ORIGINAL MEDIA:
PHOTOGRAPHS
35MM 2.7" X 2.7" AND 9" X 9" FRAMES

FUNDING:

LABORATORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATION (LAT):
730704 730704 730704 730704

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			4 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	4	STATIONS			
PHOTOGRAPHS	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	300	OBS		11500 FT	100 MM AND 152 MM FOCAL LENGTH

RHODE RIVER VEGETATIVE AND DRAINAGE STUDIES
DATA COLLECTED: AUGUST 1972 TO AUGUST 1972
RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER WATERSHED

ABSTRACT:
MISSION #149, FLT., 1 WITH WALLOPS STATION C-54 AIRCRAFT WITH ONE T-11 AERIAL CAMERA AND H.R.B. SINGER AAD-2 THERMAL SCANNER ON AUG. 16, 1972, IN COOPERATION WITH CHESAPEAKE BAY CTR. FOR ENVIRONMENTAL STUDIES. OBJECTIVE - TO USE FALSE COLOR NEAR INFRARED PHOTOGRAPHY AND PASSIVE INFRARED TO STUDY VEGETATION AND DRAINAGE PATTERNS WITH RHODE RIVER WATERSHED. FLIGHT IN CLEAR WEATHER WITH SLIGHT HAZE, AIR TEMP. 15 DEG. C AT 2500 FT., MSL WITH WIND 45 KNOTS FROM 250 DEG.
(MISSION NO #149, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

PRODUCT MEDIA:
PHOTOPRINTS
1710 9" X 9" FRAMES.

FUNDING:

CHARACTER:

PUBLICATIONS:

CONTACT:
PAUL ALTHOUSE 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

AREA LOCATION (LAT):
FIXTURE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			11 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHMS	11 STATIONS			
PHOTOGRAPHS	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	168 OBS		14 OBS AT 12000 FT, 17 OBS AT 3000 FT, 147 OBS AT 2500 FT	6 INCH FOCAL LENGTH FALSE COLOR NEAR INFRARED AND PASSIVE INFRARED

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE

ABSTRACT:
MISSION W152, FLT. 1 WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON AUG. 8, 1972, IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. (VIMS). OBJECTIVE - TO USE BLACK & WHITE IMAGERY IN THE RED AND NEAR INFRARED SPECTRAL REGIONS TO INVESTIGATE BOUNDARIES OF SALT WATER TIDAL MARSHES AND FLATS. FLIGHT MADE IN FAIR WEATHER WITH SLIGHT HAZE, AIR TEMP. 28 DEG. C AT 5000 FT., MSL WIND OF 5 KNOTS FROM 272 DEG.
(MISSION NO W152, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
86 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATION (LAT):
138779

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			1 FLIGHT LINE
TIME	EARTH	SAMPLING TIME	YMDHML	1 STATIONS			
PHOTOGRAPHS	EARTH	BLACK AND WHITE CAMERA FROM AIRCRAFT	PHOTOGRAPHS	86 OBS		5000 FT	8 INCH FOCAL LENGTH

PROJECT(S):

GENERAL GEOGRAPHIC AREA:
U.S. - NORTH ATLANTIC, DELAWARE BAY, DELAWARE, REHOBOTH AND INDIAN RIVER

ABSTRACT:
MISSION #166, FLT. 1 WITH WALLOPS STATION C54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA ON AUG. 22, 1972, IN COOPERATION WITH DEPT. OF INTERIOR, U. S. FISH AND WILDLIFE SERVICE IN REHOBOTH AND INDIAN RIVER, DEL. AREA. OBJECTIVE - TO USE REMOTELY SENSED FALSE-COLOR IMAGERY TO EVALUATE CULTURAL MODIFICATIONS OF TIDAL MARSHLANDS AND DEVELOP ENVIRONMENTAL IMPACT ANALYSIS OF THIS PORTION OF THE DEL. COASTAL ZONE ENVIRONMENT. FLIGHT IN GOOD WEATHER, NO OVERCAST, LIGHT HAZE, AIR TEMP. 18 DEG. C AT 3500 FT., MSL WIND OF 16 KNOTS FROM 310 DEG.
(MISSION NO W166, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			10 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	10	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	91	OBS		3500 FT	6 INCH FOCAL LENGTH

PROJECTS:
LANDSAT

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, DELAWARE, NEW CASTLE TO OCEAN CITY

ABSTRACT:
MISSION #160, FLT. 3, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA ON AUG. 22, 1972, IN COOPERATION WITH COLLEGE OF MARINE SCI., UNIV. OF DEL. ALONG COAST ZONES OF DEL. RIVER AND DEL.-MD. ATLANTIC COASTAL REGIONS. OBJECTIVE - TO USE REMOTELY SENSED FALSE-COLOR IMAGERY TO EVALUATE COASTAL ZONE AQUATIC SPECIES IDENTIFICATION AND DISTRIBUTION IN PREPARATION FOR ERTS OVERPASSES. FLIGHT IN GOOD WEATHER WITH NO OVERCAST, VISIBILITY 10-12 MILES, AIR TEMP. 10 DEG. C AT 11,500 FT., MSL WITH WIND OF 5 KNOTS FROM 310 DEG.
(MISSION NO #160, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
79 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730199 730785 730784

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			2 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	2 STATIONS			
PHOTOGRAPHS	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	79 OBS		11500 FT	6 INCH FOCAL LENGTH

PROJECT:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, ELKTON WETLANDS

ABSTRACT:
MISSION #162, FLT. 1 WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON AUG. 25, 1972 IN COOPERATION WITH MD. DEPT. OF CHESAPEAKE BAY AFFAIRS IN ELK RIVER SECTION. OBJECTIVE - TO USE NATURAL AND FALSE-COLOR IMAGERY FOR INVESTIGATION OF MARSHLAND AQUATIC COMMUNITIES FOR IDENTIFICATION AND DISTRIBUTION. FLIGHT IN GOOD WEATHER WITH SOME SCATTERED CLOUDS, EXTREMELY HAZY, AIR TEMP. 10 DEG C AT 9500 FT., MSL WITH WIND OF 10 KNOTS FROM 205 DEG.
(MISSION NO #162, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALTONEN 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
T38T96

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			2 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	2	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	44	OBS		9500 FT	6 INCH FOCAL LENGTH

DYNAMIC BASIN CHARACTERISTICS STUDY-SOW BRIDGE RIVER, DELAWARE AND BEAVER DAM RIVER, MARYLAND

DATA COLLECTED: OCTOBER 1972 TO OCTOBER 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, DELAWARE BAY, DELAWARE, SOWBRIDGE RIVER, CHESAPEAKE BAY, MARYLAND, BEAVER DAM RIVER

ABSTRACT:
MISSION #164, FLT. 1 WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH T-11 AND I2S CAMERA SYSTEMS ON OCTOBER 26, 1972, IN COOPERATION WITH U. S. GEOLOGICAL SURVEY OF DEPT. OF INTERIOR. FLIGHT MADE OVER SOWBRIDGE AND BEAVER DAM RIVERS IN DEL. AND MD. OBJECTIVE - TO COMPILE A BASE LINE STUDY OF EACH RIVER BASINS FOR USE IN OBSERVING DYNAMIC BASIN CHARACTERISTICS FROM ERTS IMAGERY. FLIGHT IN CLEAR WEATHER, VISIBILITY 7-10 MILES, AIR TEMP. 10 DEG. C AT 5000 FT., MSL WITH WIND OF 5 KNOTS FROM 210 DEG.
(MISSION NO #164, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
230 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
720705

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2 STATIONS			6 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	6 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	230 OBS		180 OBS AT 5000 FT, 50 OBS AT 10000 FT	6 INCH FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER

ABSTRACT:
MISSION W165, FLT. 1 WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON AUG. 30, 1972, IN COOPERATION WITH CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES (SMITHSONIAN INSTITUTE) IN RHODE RIVER, MD. REGION. OBJECTIVE - TO ACQUIRE AIRBORN NATURAL AND FALSE-COLOR IMAGERY FOR INVESTIGATION OF VEGETATION GROWTH AND DRAINAGE PATTERNS WITHIN THE RHODE RIVER WATERSHED. FLIGHT IN GOOD WEATHER, NO OVERCAST, SLIGHT HAZE, AIR TEMP. 23 DEG. C AT 2500 FT., MSL WITH WIND OF 15 KNOTS FROM 285 DEG.
(MISSION NO W165, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
260 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

SPIO LOCATION (LAT):
F30706

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHMS	9 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	260 OBS		162 OBS AT 2500 FT, 52 OBS AT 1200 FT, 46 OBS AT 500 FT	6 INCH FOCAL LENGTH

PROJECT:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, PATUXENT RIVER

ABSTRACT:
MISSION #187, FLT. 3, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON SEPT. 8, 1972, IN COOPERATION WITH THE MD. DEPT. OF CHESAPEAKE BAY AFFAIRS IN ELKTON, MD. AREA. OBJECTIVE - TO OBTAIN NATURAL AND FALSE-COLOR IMAGERY TO INVESTIGATE MARSHLAND ECOLOGY IN ELK RIVER AREA. FLIGHT IN CLEAR WEATHER, VISIBILITY 6-8 MILES, AIR TEMP. 10 DEG. C AT 10,000 FT., WSL WITH WIND OF 12 KNOTS FROM 290 DEG.
(MISSION NO #187, FLT 3)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
230 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATION (LAT):
CENTRE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			9 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHMS	9	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	202	OBS		106 OBS AT 10000 FT, 96 OBS AT 2500 FT	6 INCH FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE, PARAMORE ISLAND

ABSTRACT:
MISSION W169, FLT. 2, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON SEPT. 11, 1972, IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. IN THE WACHAPREAGUE AND PARAMORE ISLAND AREAS. OBJECTIVE - TO OBTAIN NATURAL COLOR AND FALSE COLOR IMAGERY TO INVESTIGATE COASTAL ZONE FEATURES OF VEGETATION, EROSION, SEDIMENT TRANSPORT, AND SALT WATER TIDAL FLATS. FLIGHT MADE IN CLEAR WEATHER, VISIBILITY 8-10 MILES, AIR TEMP. 14 DEG. C AT 5000 FT., MSL WITH WIND OF 12 KNOTS FROM S.E.
(MISSION NO W169, FLT 2)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
68 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			5 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	5	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	68	OBS		5000 FT	6 INCH FOCAL LENGTH

001273

VIRGINIA INSTITUTE OF MARINE SCIENCES MARSH STUDY
DATA COLLECTED: SEPTEMBER 1972 TO SEPTEMBER 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, YORK RIVER, POROPATANK BAY

ABSTRACT:
MISSION W169, FLT. 3, WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS ON SEPT. 11, 1972, IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. OF THE YORK RIVER AREA NEAR POROPATANK BAY. OBJECTIVE - TO STUDY ESTUARINE INFLOW AND MARSHLAND CHARACTERISTICS ASSOCIATED WITH BRACKISH WATERS. FLIGHT IN CLEAR WEATHER, FEW SCATTERED CLOUDS. AIR TEMP. 14 DEG. C AT 5000 FT., MSL WITH WIND 12 KNOTS FROM S.E.
(MISSION NO W169, FLT 3)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
46 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHML	4	STATIONS			4 FLIGHT LINES
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	46	OBS		5000 FT	6 INCH FOCAL LENGTH

001275

RHODE RIVER VEGETATIVE AND DRAINAGE STUDIES
DATA COLLECTED: OCTOBER 1972 TO OCTOBER 1972

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, RHODE RIVER WATERSHED

ABSTRACT:
MISSION W170, FLI. 1, ACCOMPLISHED WITH WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH TWO AERIAL CAMERAS, T-11 AND I2S, ON OCTOBER 11, 1972, IN COOPERATION WITH SMITHSONIAN INSTITUTE. MISSION OVER WETLANDS AREAS OF RHODE RIVER AND TRIBUTARIES. ONE OF A SERIES TAKEN OVER RHODE RIVER FOR PURPOSE OF DEFINING WETLAND VEGETATION SIGNATURES THROUGHOUT YEARLY GROWTH CYCLE. FLIGHT IN CLEAR WEATHER WITH VISIBILITY 10-12 MILES, AIR TEMP. +5 DEG. AT 2500 FT., MSL WITH WIND OF 8 KNOTS FROM 360 DEG. (MISSION NO W170, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
696 9" X 9" FRAMES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			13 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	13	STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	645	OBS		420 OBS AT 2500 FT, 120 OBS AT 1200 FT, 51 OBS AT 1000 FT, 105 OBS AT 500 FT	6 INCH FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, WACHAPREAGUE

ABSTRACT:
MISSION W226, FLI. 1, JUNE 28, 1973, WITH WALLOPS STATION C-54 AIRCRAFT WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH VA. INSTITUTE OF MARINE SCI. OBJECTIVE - TO IMAGE THE WATER LEVEL OVER AN AREA OF TIDAL FLATS IN WACHAPREAGUE INLET AREA AT 30 MINUTE INTERVALS ON BLACK AND WHITE INFRARED FILM. WATER LEVEL OUTLINES OF FLIGHTS SHOULD GIVE SERIES OF CONTOURS FOR MARSH AREA AS TIDE RISES AND FALLS. FLIGHT MADE IN HAZY WEATHER WITH BROKEN CLOUDS. VISIBILITY FROM 5-7 MILES, AIR TEMP. 10 DEG. C AT 9500 FT., MSL WITH WIND OF 19 KNOTS FROM 220 DEG.
(MISSION NO W226, FLT 1)

DATA AVAILABILITY:
MISSION NO W226, FLT 1

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
216 9" X 9" FRAMES.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL ALFONSI 804-824-3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			3 FLIGHT LINES
TIME	EARTH	SAMPLING TIME	YMDHML	12	STATIONS			
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PHOTOGRAPHS	216	OBS		9500 FT	152 MM FOCAL LENGTH

RESPONSE OF SALT MARSH COMMUNITY TO CHRONIC HYDROCARBON POLLUTION
DATA COLLECTED: NOVEMBER 1973 TO 1975

RECEIVED: MARCH 04, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, WARE RIVER, SEVERN RIVER

ABSTRACT:
TWO TIDAL MARSHES ALONG THE SEVERN AND WARE RIVERS, VIRGINIA ARE SAMPLED MONTHLY OVER A TWO YEAR PERIOD TO DETERMINE FAUNAL POPULATION SIZES AND FLORAL PRODUCTIVITY. RESPIRATION RATES ARE MEASURED ON BOTH MACROFAUNA AND BENTHOS. COMPARISONS ARE MADE BETWEEN ONE CONTROL MARSH AND ONE MARSH TREATED WITH OIL.
(AVAILABLE AS VIMS PH D DISSERTATION, JUNE 1975)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
SIX NOTEBOOKS OF 25 TO 50 DATA SHEETS EACH

FUNDING:
THE VIRGINIA INSTITUTE OF MARINE SCIENCE

INVENTORY:

PUBLICATIONS:

CONTACT:
CARL HERSHNER 804 642 2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS			TWO TIDAL MARSHES USED FOR SAMPLING
TIME	EARTH	STATION TIME	YMDH	96	OBS	MONTHLY		STUDY WILL CONTINUE FOR AN APPROXIMATE TWO YEAR PERIOD
COUNT OF INSECTS	LAND	VISUAL	NUMBER PER SPECIES	240	OBS	MONTHLY		TEN OBSERVATIONS PER MONTH
SPECIES DETERMINATION OF INSECTS	LAND	KEY	NUMBER PER SPECIES	240	OBS	MONTHLY		TEN OBSERVATIONS PER MONTH

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER PER SPECIES AND POPULATION SIZE	190	OBS	MONTHLY		SEVERAL OBSERVATIONS IN EACH MARSH PER MONTH; MARK-RECAPTURE
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER PER SPECIES AND POPULATION SIZE	190	OBS	MONTHLY		SEVERAL OBSERVATIONS IN EACH MARSH PER MONTH; MARK-RECAPTURE
LENGTH OF DEMERSAL FISH	WATER	TOTAL LENGTH	MILLIMETERS	190	OBS	MONTHLY		
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY		SEVERAL OBSERVATIONS IN EACH MARSH PER MONTH; MARK-RECAPTURE; MARSH DECAPODS ONLY
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY		SEVERAL OBSERVATIONS IN EACH MARSH PER MONTH; MARK-RECAPTURE; MARSH DECAPODS ONLY
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY		QUADRAT COUNTS OF MARSH GASTROPODS
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY		QUADRAT COUNTS OF MARSH GASTROPODS
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY		CORE SAMPLING OF MARSH MACRO- AND MEIO-FAUNA; COMMUNITY DIVERSITY INDICES CALCULATED
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY		CORE SAMPLING OF MARSH MACRO- AND MEIO-FAUNA; COMMUNITY DIVERSITY INDICES CALCULATED
BIOMASS OF BENTHIC PLANTS	BOTTOM	DRY WEIGHT	GRAMS PER M2	96	OBS	MONTHLY		PRODUCTIVITY OF MARSH GRASS BY CLIPPED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF BIRDS	AIR	VISUAL	NUMBER PER SPECIES	96	OBS	MONTHLY		QUADRAT SIGHTINGS OF BIRDS INHABITING MARSH AREA
SPECIES DETERMINATION OF BIRDS	AIR	KEY	NUMBER PER SPECIES	96	OBS	MONTHLY		SIGHTINGS OF BIRDS INHABITING MARSH AREA

T60

DATA COLLECTED: JUNE 1972 TO AUGUST 1972 RECEIVED: APRIL 15, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, CALVERT COUNTY MARYLAND

ABSTRACT:
PLANT COMMUNITIES IN TWO SALT MARSHES, ONE OLD AND ONE DEVELOPING, WERE COMPARED AS TO PLANT COMMUNITIES, PRODUCTIVITY, AND BIOMASS.
(SUMMER STUDENT PROJECT BY MARGARET FLOWERS, CBL REF NO. 72-68)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
ONE 30 PAGE UNPUBLISHED REPORT INCLUDING ALL DATA

FUNDING:
NATIONAL SCIENCE FOUNDATION

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	6	STATIONS			3 TRANSECTS IN EACH OF TWO MARSHES
TIME	EARTH	STATION TIME	YMD	12	OBS	TWICE		
BIOMASS OF BENTHIC PLANTS	LAND	DRY WEIGHT	GRAMS PER M2	36	OBS			STANDING CROP BIOMASS MEASUREMENTS MADE 4 WEEKS APART; 3 OBS PER TRANSECT
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER M2	6	OBS			ALL PLANTS WITHIN TRANSECTS COUNTED AND

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	SPECIES	6 OBS			RECORDED ONCE ALL PLANTS WITHIN TRANSECTS COUNTED AND RECORDED ONCE

DATA COLLECTED: AUGUST 1970 TO AUGUST 1970 RECEIVED: APRIL 29, 1974

PROJECTS:
ASSATEAGUE ECOLOGICAL STUDIES

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., DELMARVA PENINSULA, CHINCOTEAGUE BAY

ABSTRACT:
ONE TIME EVALUATION OF SALT MARSH VEGETATION IN VICINITY OF CHINCOTEAGUE BAY. SPECIES LISTS, ABUNDANCE, AND MAPPING OF MARSH TYPES FROM 20 SAMPLE SITES ALLOCATED TO 8 ZONES IN AREA. 0.25 SQ METER SAMPLES CLIPPED AND ANALYZED. (ANALYSES BY C. KEEFE, NRI REFERENCE NUMBER 446, UNIVERSITY OF MARYLAND)

DATA AVAILABILITY:
WRITTEN REQUEST

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
PART 5 OF 300 PAGE REPORT

FUNDING:
NATIONAL PARKS SERVICE CONTRACT NUMBER 14-10-5-950-36

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
730705

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	20	STATIONS			
TIME	EARTH	STATION TIME	YMD	20	STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF SPECIES PER STATION	31	OBS			DOMINANT PLANTS IN SAMPLE
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER SPECIES PER SAMPLE	31	OBS			DOMINANT PLANTS IN SAMPLE
BIOMASS OF BENTHIC PLANTS	LAND	CROPPING	DRY WEIGHT, ASH WEIGHT PER SAMPLE AND PER	62	OBS			0.25 SQ METER SAMPLE AREA, DATA PRESENTED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
			SQ METER				AS LIVE AND DEAD PRODUCTION

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, MARYLAND, PATUXENT RIVER

ABSTRACT:
AN EXPERIMENTAL REMOTE SENSING PROGRAM CONDUCTED FOR THE STATE OF MARYLAND IN SEPTEMBER 1970 RESULTED IN A FILE OF COLOR AND COLOR IR 9X9 PHOTOGRAPHY AT SCALES OF 1 TO 3000, 1 TO 6000, 1 TO 9000 AND 1 TO 12000 OF A 3X10 MILE STRIP OF WETLANDS ON THE PATUXENT RIVER.

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
ONE FOLDER OF 9X9 PHOTOGRAPHS

FUNDING:
STATE OF MARYLAND

INVENTORY:

PUBLICATIONS:

CONTACT:
W.C. COULBOURN, APPLIED TECHNOLOGY 516 575 0574
GRUMMAN ECOSYSTEMS CORPORATION
1111 STEWART AVENUE
BETHPAGE NEW YORK USA 11714

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			
TIME	EARTH	STATION TIME	YMD	1 STATIONS			A 3 BY 10 MILE TEST STRIP OF WETLANDS ON THE PATUXENT RIVER
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	9X9 PHOTOGRAPH	1 STATIONS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	9X9 PHOTOGRAPH	1 STATIONS			

ERTS PHOTOGRAPHIC IMAGES OF THE CHESAPEAKE AND DELAWARE BAY REGIONS
DATA COLLECTED: OCTOBER 1972 TO AUGUST 1973

RECEIVED: MARCH 28, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, DELAWARE BAY

ABSTRACT:
PHOTOGRAPHIC IMAGES TAKEN BY SATELLITE OF THE CHESAPEAKE AND DELAWARE BAY COASTAL REGIONS ARE AVAILABLE AT COST AS PRINTS OR TRANSPARENCIES. THE FOLLOWING IMAGES WITH DATES ARE OF THESL GENERAL REGIONS: 107915133, OCT 10, 1972; 113315141, DEC 3, 1972; 113315144, DEC 3, 1972; 118715140, JAN 26, 1973; 118715142, JAN 26, 1973; 120515141, FEB 13, 1973; 120515144, FEB 13, 1973; 131315141, JUN 1, 1973; 134915134, JUL 7, 1973; 134915141, JUL 7, 1973; 138515131, AUG 12, 1973; 138515134, AUG 12, 1973; 140315125, AUG 30, 1973; 140315132, AUG 30, 1973
(PRINTS ALSO AVAILABLE FROM EROS DATA CENTER, SOUIX FALLS, SOUTH DAKOTA 57198)

DATA AVAILABILITY:
COSTS AS PER NOAA-NESS PRICE LIST

PLATFORM TYPES:
SATELLITE

ARCHIVE MEDIA:
PHOTOPRINTS
FOURTEEN PHOTOGRAPHIC IMAGES

FUNDING:
U.S. DEPARTMENT OF THE INTERIOR

INVENTORY:

PUBLICATIONS:

CONTACT:
PHOTO DOCUMENTATION AREA 202 655 4000
NOAA-NESS
FOB NO. 4
WASHINGTON DISTRICT OF COLUMBIA USA 20233

GRID LOCATOR (LAT):
730767 730766 730765 730777 730776 730775 730774 730787 730786 730785 730784 730797 730796 730795 730794

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	GENERAL AREA	LONGITUDE AND LATITUDE	14	OBS			ERTS IMAGES OF THE CHESAPEAKE AND DELAWARE BAY REGIONS
PHOTOGRAPH	EARTH	COLOR CAMERA FROM SATELLITE		14	OBS			ERTS IMAGES OF THE CHESAPEAKE AND DELAWARE BAY REGIONS

DATA COLLECTED: 1927 TO PRESENT RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, U.S., COASTAL, MAINE, NEW HAMPSHIRE, MASSACHUSETTS, RHODE ISLAND, CONNECTICUT, NEW YORK, NEW JERSEY, PENNSYLVANIA, DELAWARE, MARYLAND, DISTRICT OF COLUMBIA, VIRGINIA, NORTH CAROLINA, SOUTH CAROLINA, GEORGIA, FLORIDA, ALABAMA, MISSISSIPPI, LOUISIANA, TEXAS, CALIFORNIA, OREGON, WASHINGTON, ALASKA, HAWAII

ABSTRACT:
THIS FILE CONTAINS AERIAL PHOTOGRAPHS USED BY THE NATIONAL OCEAN SURVEY IN CONNECTION WITH NAUTICAL AND AERONAUTICAL CHARTING PROGRAMS. PHOTOGRAPHS ARE AVAILABLE FOR MOST OF THE COASTAL AREAS OF THE UNITED STATES. AERIAL PHOTOGRAPHS ARE AVAILABLE AS CONTACT PRINTS, ENLARGEMENTS, FILM POSITIVES, NEGATIVES; SOME COLOR PHOTOGRAPHY IS AVAILABLE FOR SOME REGIONS. SINGLE-LENS PHOTOGRAPHS ARE USUALLY TAKEN AT 1:10,000, 1:20,000, 1:24,000, 1:30,000 OR 1:40,000 SCALE. THE SCALES ARE APPROXIMATE DUE TO SHRINKAGE OR EXPANSION OF PAPER, UNCERTAINTY IN REPORTED FLIGHT ALTITUDE, TIP AND TILT OF THE AIRCRAFT AND THE EFFECT OF GROUND RELIEF.

DATA AVAILABILITY:
ALL PHOTOGRAPHS AVAILABLE AT COST OF REPRODUCTION. CONTACT PRINTS $2.00 EACH. ENLARGEMENTS $4.00 TO $8.00. COLOR PHOTOGRAPHS $7.00 EACH.

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
ALL PHOTOS AVAILABLE AT COST OF REPRODUCTION. CONTACT PRINTS $3.00 EACH. ENLARGEMENTS $8.00. COLOR PHOTOS $9.00 EACH.

FUNDING:

INVENTORY:

PUBLICATIONS:
LEAFLET: NATIONAL OCEAN SURVEY - REPRODUCTIONS OF AERIAL PHOTOGRAPHS - AVAILABLE FREE. INDEX OF PHOTOGRAPHY ON 1:250,000 BASE MAPS AVAILABLE AT $0.50 UPON REQUEST.

CONTACT:
CHIEF, PHOTOMAP AND IMAGERY INFORMATION SECTION 301 496 8601
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE MARYLAND USA 20852

GRID LOCATOR (LAT):
740648 740657 740647 740646 740656 740649 740639 740730 740720 740710 740619 740711 740712 740713 740702 740703 740704 740705
730794 730795 730796 730797 730784 730785 730786 730787 730775 730776 730777 730765 730766 730755 730756 730757 730746 730747
730748 730737 730738 730739 730810 730811 730801 720890 720891 720892 720893 720894 720895 720880 720881 720882 720870 720872
720860 720861 720862 720850 720851 720840 720841 720842 720985 720986 720987 720976 720977 720967 720957 731127 731128 731250
731251 731261 731262 731272 731281 731282 731283 731293 731284 741204 741214 741224 741234 741244 741253 741254 741263 741264
741272 741273 741274 741282 741283 741284 741285 7512 7513 7514 7515 7516 7517 7613 7614 7615 7616 7617 7713 7714 7715 7716
711595 711594 711595 711596 721505 721506 721507 731137 731138 731139 731230 731148 731149 731240 721516 721517 721518 721519
721610 721529 721620

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	STATION TIME	YMDL	39 YRS			
POSITION	EARTH	FIXED POINT		39 YRS			
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT		39 YRS		SURFACE	ONE PRINT ON FILE FOR MOST AREAS OF THE U.S. COAST
PHOTOGRAPH	EARTH	BLACK AND WHITE CAMERA FROM AIRCRAFT		39 YRS		SURFACE	ONE PRINT ON FILE FOR MOST AREAS OF THE U.S. COAST
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT		39 YRS		SURFACE	ONE PRINT ON FILE FOR MOST AREAS OF THE U.S. COAST

002444 PLANT ECOLOGY OF UPPER PATUXENT RIVER, EFFECTS OF THERMAL POLLUTION ON MACROPHYTES

DATA COLLECTED: JUNE 1963 TO JUNE 1966 RECEIVED: SEPTEMBER 04, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, PATUXENT RIVER, COASTAL

ABSTRACT:
DESCRIPTION OF MACROPHYTE DISTRIBUTION AND DENSITY IN THE PATUXENT RIVER, MARYLAND PRESENTED RELATIVE TO WATER CHEMISTRY. DATA INCLUDES PHYSICAL AND CHEMICAL PARAMETERS OF WATER, PLANT SPECIES AND ABUNDANCE, WEIGHTS OF PLANTS, AND COMMUNITY PARAMETERS. INTENT OF STUDY WAS DESCRIPTIVE BASELINE DATA AND EVALUATION OF THERMAL POLLUTION ON MACROPHYTES. A SERIES OF 18 STATIONS WERE SAMPLED THROUGHOUT THE STUDY PERIOD.
(PHD THESIS, R. R. ANDERSON, 1966, DEPARTMENT OF BOTANY)

DATA AVAILABILITY:
UNIVERSITY MICROFILMS

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
99 PAGES

FUNDING:
PEPCO - CHAULK POINT POWER STATION

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 454 3011
MCKELDIN LIBRARY
UNIVERSITY OF MARYLAND
COLLEGE PARK MARYLAND USA 20742

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	648	STATIONS			
TIME	EARTH	STATION TIME	YMD	648	STATIONS			
SALINITY	WATER	CONDUCTIVITY	PPT	648	OBS	MONTHLY	SURFACE	
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	648	OBS	MONTHLY	SURFACE	
CALCIUM	WATER	EDTA TITRATION	PPM	14	OBS		SURFACE	AT SALT FRONT, VIA METHOD OF PRICE AND PRIDDY

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
MAGNESIUM	WATER	EDTA TITRATION	PPM	14	OBS		SURFACE	
SODIUM	WATER	FLAME SPECTROMETRY	PPM	14	OBS		SURFACE	BECKMAN UNIT
POTASSIUM	WATER	FLAME SPECTROMETRY	PPM	14	OBS		SURFACE	BECKMAN UNIT
PH	WATER	COLORIMETRY	PH UNITS	64	OBS		SURFACE	4 STATIONS, 24 HOUR STUDY
TOTAL ALKALINITY	WATER	TITRATION	PPM CACO3	64	OBS		SURFACE	4 STATIONS, 24 HOUR STUDY
DISSOLVED CARBON DIOXIDE GAS	WATER	TITRATION	PPM CO2	64	OBS		SURFACE	4 STATIONS, 24 HOUR STUDY
DISSOLVED OXYGEN GAS	WATER	TITRATION	PPM	64	OBS		SURFACE	MODIFIED WINKLER
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER SAMPLE	150	OBS			LINE TRANSECTS QUADRAT, AND PLOTS; EMERGENT AND SUBMERGED STRATA
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL	NUMBER PER SAMPLE	150	OBS			LINE TRANSECTS QUADRAT, AND PLOTS; EMERGENT AND SUBMERGED STRATA
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	SPECIES PER SAMPLE	150	OBS			LINE TRANSECTS QUADRAT, AND PLOTS; EMERGENT AND SUBMERGED STRATA
SPECIES DETERMINATION OF BENTHIC PLANTS	BOTTOM	KEY	SPECIES PER SAMPLE	150	OBS			LINE TRANSECTS QUADRAT, AND PLOTS; EMERGENT AND SUBMERGED STRATA
COMMUNITY STRUCTURE ANALYSIS	LAND	CALCULATED	PERCENT COMPOSITION, COMMUNITY TYPES	5	OBS			5 SELECTED STATIONS
COMMUNITY STRUCTURE ANALYSIS	BOTTOM	CALCULATED	PERCENT COMPOSITION, COMMUNITY TYPES	5	OBS			5 SELECTED STATIONS
BIOMASS OF BENTHIC PLANTS	LAND	DRY WEIGHT	GM PER SPECIES PER SQ METER	150	OBS			100 DEG C
BIOMASS OF BENTHIC PLANTS	LAND	CROPPING	GM PER SPECIES PER SQ METER	150	OBS			AIR DRY
BIOMASS OF BENTHIC PLANTS	BOTTOM	DRY WEIGHT	GM PER SPECIES PER SQ METER	150	OBS			100 DEG C

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
BIOMASS OF BENTHIC PLANTS	BOTTOM	CROPPING	GM PER SPECIES PER SQ METER	150 OBS			AIR DRY

701

COMMONWEALTH OF VIRGINIA TIDAL MARSH INVENTORY
DATA COLLECTED: MAY 1973 TO PRESENT
RECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, VIRGINIA COASTAL WETLANDS

ABSTRACT:
UNDER SECTION 62.1-13.4 OF THE WETLANDS ACT, THE VIRGINIA INSTITUTE OF MARINE SCIENCE IS OBLIGATED TO INVENTORY THE TIDAL WETLANDS OF THE COMMONWEALTH OF VIRGINIA. A SERIES OF MARSH INVENTORY REPORTS ARE THEREFORE BEING COMPILED ON A COUNTY BASIS. EACH REPORT LOCATES AND DESCRIBES THE INDIVIDUAL TIDAL MARSHES WITHIN A COASTAL COUNTY. INFORMATION SUCH AS INDIVIDUAL MARSH ACREAGE, MARSH PLANT COMMUNITY PERCENTAGE AND ACREAGE, WATER-MARSH INTERFACE, INTERFACE MARSH AREA RATIO, AND MISCELLANEOUS OBSERVATIONS ARE PRESENTED IN TABULAR FORM. THE REPORTS RESULT FROM FIELD NOTES AND VEGETATION MAPS DRAWN IN THE FIELD AND OBSERVATIONS MADE USING AERIAL PHOTOGRAPHS AND TOPOGRAPHIC MAPS.
(ONLY SIX REPORTS COVERING LANCASTER COUNTY, MATHEWS COUNTY, YORK COUNTY AND TOWN OF POQUOSON, NORTHUMBERLAND COUNTY, STAFFORD COUNTY, AND PRINCE WILLIAM COUNTY AVAILABLE AS OF 197408)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
ONE 100 PAGE REPORT FOR EACH TIDAL COUNTY

FUNDING:
THE STATE OF VIRGINIA; RANN

INVENTORY:

PUBLICATIONS:
SPECIAL REPORT NO. 45 IN APPLIED MARINE SCIENCE AND OCEAN ENGINEERING

CONTACT:
DR. GENE M. SILBERHORN 804 642 2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730786 730776 730766 730765 730775 730785 730787 730777

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	140	STATIONS			TWO COUNTY REPORTS ONLY
TIME	EARTH	STATION TIME	YEAR	140	OBS			TWO COUNTY REPORTS ONLY
SPECIES DETERMINATION OF BENTHIC PLANTS	BOTTOM	KEY	PER CENT AREA	140	OBS			TWO COUNTY REPORTS ONLY

002707

NORTH CAROLINA WETLANDS, THEIR DISTRIBUTION AND MANAGEMENT
DATA COLLECTED: AUGUST 1957 TO JULY 1959

RECEIVED: DECEMBER 05, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, COASTAL, U.S., NORTH CAROLINA

ABSTRACT:
A LARGE SCALE SURVEY OF WETLANDS IN COASTAL NORTH CAROLINA WAS CONDUCTED BETWEEN 1957 AND 1959. PRINCIPAL STUDY OBJECTIVES WERE TO LOCATE, CLASSIFY, AND MAP WETLAND AREAS, AND TO EVALUATE THEIR DEVELOPMENT POTENTIAL FOR WILDLIFE (ESPECIALLY WATERFOWL). THIS DATA BASE IS UTILIZED BY THE PERMIT SECTION OF THE N.C. DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES WHEN PROJECTS INVOLVE WETLAND ALTERATIONS.
(TEXT, TABULATION, AND MAPS FOR EACH WETLAND COUNTY)

DATA AVAILABILITY:
COST OF DUPLICATION

PLATFORM TYPES:
AIRCRAFT; FIXED STATION

ARCHIVE MEDIA:
REPORTS
169 PAGE REPORT, DATED APRIL 1962

FUNDING:
FEDERAL AID IN WILDLIFE RESTORATION, PROJECT W-6-R

INVENTORY:

PUBLICATIONS:

CONTACT:
KENNETH A. WILSON 919 829 7896
NORTH CAROLINA WILDLIFE RESOURCES COMMISSION
RALEIGH NORTH CAROLINA USA 27611

GRID LOCATOR (LAT):
730765 730766 730755 730756 730757 730746 730747 730748 730737 730738

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	GENERAL AREA	MAP	41	STATIONS			
TIME	EARTH	STATION TIME	YMD	41	STATIONS			
PHOTOGRAPH	EARTH	BLACK AND WHITE CAMERA FROM AIRCRAFT	MARSH ACRES	41	OBS			PHOTOS TRANSFERRED TO DETAILED COUNTY MAPS TO LOCATE MARSH TYPE MAPS FOR 41 COASTAL PLAIN COUNTIES
SPECIES DETERMINATION	LAND	KEY	LIST PER WETLAND TYPE,	41	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
OF BENTHIC PLANTS			BY COUNTY				
COMMUNITY STRUCTURE ANALYSIS	LAND	CALCULATED	DOMINANCE PER TYPE OF WETLAND PER COUNTY	41	OBS		

002734

TOPOGEOGRAPHIC FLORAL COMMUNITIES OF THE COASTAL PLAINS
DATA COLLECTED: SEPTEMBER 1972 TO JUNE 1974

RECEIVED: DECEMBER 17, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NEW JERSEY TO GEROGIA

ABSTRACT:
PRIMARILY AN ECOSYSTEMATICS FIELD STUDY OF THE MAJOR TYPES OF FLOURISTIC AND PLANT COMMUNITIES OF THE COASTAL PLAIN, FROM NEW JERSEY TO GEORGIA, WITH EMPHASIS ON QUALITATIVE ANALYSIS AND DISTRIBUTION. COMMUNITY TYPES INCLUDE PIONEER, AQUATIC, MARSH, GRASS, SAVANNAH, SCRUB, AND FOREST. COMMUNITY COMPONENTS INCLUDE CANOPY, SUB-CANOPY, SHRUBS, HERBS, AND VINES. ANCILLARY DATA INCLUDES ELEVATION, SLOPE IN DEGREES AND SOIL TYPES.
(47 COASTAL PLANE COMMUNITIES, DATA ALSO AVAILABLE FOR PIEDMONT, BLUE RIDGE, AND APPALACHIAN COMMUNITIES)

DATA AVAILABILITY:
COST OF REPRODUCTION

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
200 PAGES

FUNDING:
UNIVERSITY OF NORTH CAROLINA

INVENTORY:

PUBLICATIONS:

CONTACT:
ALBERT E. RADFORD 919 933 2211
DEPARTMENT OF BOTANY
UNIVERSITY OF NORTH CAROLINA
CHAPEL HILL NORTH CAROLINA USA 27514

GRID LOCATOR (LAT):
730801 730811 730820 730829 730738 730746 730747 730755 730756 730765 730775 730776 730785 730786 730794 740704

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	47	STATIONS			
TIME	EARTH	STATION TIME	YMD	47	OBS			
SPECIES DETERMINATION OF LAND PLANTS	LAND	KEY		47	OBS			IDENTIFICATION BY COMMUNITY TYPES, PIONEER, AQUATIC, MARSH, GRASS, SAVANNAH,

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							SCRUB, FOREST, SEEDLINGS AND TRANSGRESSORS
TAXONOMIC LIST OF LAND PLANTS	LAND	KEY		47 OBS			LISTINGS AS CANOPY, SUB-CANOPY, SHRUBS, HERBS, AND VINES
COUNT OF LAND PLANTS	LAND	VISUAL	PERCENT	47 OBS			LISTINGS AS CANOPY, SUB-CANOPY, SHRUBS, HERBS, AND VINES
AGE DATING OF LAND PLANTS	LAND	HEIGHT	YEARS	47 OBS			CANOPY AND SUB-CANOPY
LENGTH OF LAND PLANTS	LAND	VARIOUS	FEET	47 OBS			CANOPY AND SUB-CANOPY HEIGHT
COMMUNITY STRUCTURE ANALYSIS	LAND	RECRUITMENT STUDIES	GEOGRAPHIC	47 OBS			IDENTIFICATION BY COMMUNITY TYPES, PIONEER, AQUATIC, MARSH, GRASS, SAVANNAH, SCRUB, FOREST, SEEDLINGS AND TRANSGRESSORS
DEVELOPMENTAL STAGE OF LAND PLANTS	LAND	MORPHOLOGICAL CHARACTERISTICS	GEOGRAPHIC	47 OBS			CLIMATOGENICS, PEDOGENICS, BIOGENICS AND EVOLUTION OF MAJOR PLANT COMMUNITIES

003535

CHOWAN RIVER PROJECT
DATA COLLECTED: JUNE 1974 TO PRESENT

RECEIVED: APRIL 18, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., NORTH CAROLINA, CHOWAN RIVER

ABSTRACT:
A STUDY OF NUPHAR ADVENA AND JUSTICIA AMERICANA IN CHOWAN RIVER, NORTH CAROLINA.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
ONE 20 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. M. BRINSON 919 758 6718
EAST CAROLINA UNIVERSITY
DEPARTMENT OF BIOLOGY
GREENVILLE NORTH CAROLINA USA 27834

GRID LOCATOR (LAT):
730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	4	STATIONS			
TIME	EARTH	STATION TIME	YMD	4	OBS	MONTHLY		
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY		4	OBS	MONTHLY		
BIOMASS OF BENTHIC PLANTS	LAND	DRY WEIGHT	GRAMS PER SQUARE METER	4	OBS	MONTHLY		
NITROGEN IN BIO MATERIAL	LAND	SPECTROPHOTOMETRY	GRAMS PER SQUARE METER	4	OBS	MONTHLY		
PHOSPHORUS IN BIO MATERIAL	LAND	SPECTROPHOTOMETRY	GRAMS PER SQUARE METER	4	OBS	MONTHLY		

BIOLOGICAL REPORTS FOR PERMIT APPLICATIONS TO ALTER MARSHLANDS, ESTUARINE BOTTOMS, TIDELANDS, AND STATE-OWNED LAKES OF NORTH CAROLINA
DATA COLLECTED: JANUARY 1970 TO PRESENT

RECEIVED: APRIL 02, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., NORTH CAROLINA, COASTAL

ABSTRACT:
BIOLOGICAL REPORTS WHICH DETERMINE EFFECTS OF BUILDING AND DREDGING PROJECTS ON COASTAL MARSH LANDS, ESTUARINE BOTTOMS, TIDELANDS AND STATE-OWNED LAKES OF NORTH CAROLINA. AERIAL PHOTOGRAPHY IS USED TO MONITOR ANY BUILDING OR DREDGING PERMIT VIOLATIONS.

DATA AVAILABILITY:
NO RESTRICTIONS

PLATFORM TYPES:
SHIP; AIRCRAFT

ARCHIVE MEDIA:
REPORTS
ONE 35 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JAMES T. BROWN 919 726 7021
NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
DIVISION OF COMMERCIAL AND SPORTS FISHERIES P.O. BOX 769
MOOREHEAD CITY NORTH CAROLINA USA 28557

GRID LOCATOR (LAT):
730738 730739 730745 730746 730747 730755 730756 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	250	STATIONS			
TIME	EARTH	STATION TIME	YMD	250	STATIONS	YEARLY		
SPECIES DETERMINATION OF BENTHIC PLANTS	BOTTOM	KEY		250	STATIONS	YEARLY		DESCRIBES MARSH TYPE
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL	NUMBER PER SPECIES	250	STATIONS	YEARLY		AERIAL PHOTOGRAPHY USED TO DETERMINE IF ENVIRONMENT ALTERED

003552

BIOLOGICAL REPORTS FOR PERMIT APPLICATIONS TO ALTER MARSHLANDS, ESTUARINE (CONT.)
BOTTOMS, TIDELANDS, AND STATE-OWNED LAKES OF NORTH CAROLINA

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY		250 STATIONS	YEARLY		
SPECIES DETEFMINATION OF PELAGIC FISH	WATER	KEY		250 STATIONS	YEARLY		

DATA COLLECTED: JUNE 1966 TO APRIL 1967 RECEIVED: JUNE 03, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, OAK ISLAND

ABSTRACT:
INVESTIGATION OF MARSH PRODUCTIVITY USING INFRARED AND COLOR AERIAL PHOTOGRAPHY FOR REMOTE SENSING AND COMPARISON WITH YIELD, BIOMASS, STANDING CROP, AND CALORIC CONTENT MEASUREMENTS.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
86 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
STROUD, L.M. 1969. COLOR-INFRARED AERIAL PHOTOGRAPHIC INTERPRETATION AND NET PRIMARY PRODUCTIVITY OF A REGULARLY FLOODED NORTH CAROLINA SALT MARSH. NC ST U THESIS 86P

CONTACT:
LIBRARIAN 919 737 3364
NORTH CAROLINA STATE UNIVERSITY
D.H. HILL LIBRARY
RALEIGH NORTH CAROLINA USA 27607

GRID LOCATOR (LAT):
730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	48 STATIONS			
TIME	EARTH	STATION TIME	YMD	48 STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY		48 STATIONS			MARSH GRASSES FROM 10 TRANSECTS, 48 STATIONS WERE STUDIED
YIELD OF BENTHIC PLANTS	LAND	CROPPING	LIVE AND DEAD TISSUE	48 STATIONS			STANDING CROP
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER/SPECIES/ AREA	48 STATIONS			DISTRIBUTION ANALYSIS
WEIGHT OF	LAND	DRY WEIGHT	GRAMS	48 STATIONS			INFRARED AND

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
BENTHIC PLANTS							COLOR AERIAL PHOTOGRAPHY WERE IMPLEMENTED FOR REMOTE SENSING MEASUREMENTS OF MARSH PRODUCTIVITY
LENGTH OF BENTHIC PLANTS	LAND	DIRECT	LENGTH OF LEAVES, DIAMETER OF STEAM, AND NUMBER OF LEAVES	48	STATIONS		
CALORIC CONTENT OF BIO MATERIAL	LAND	MACROBOMB CALORIMETRY	GRAM CALORIES/ GRAMS DRY WEIGHT	48	STATIONS		
BIOMASS OF BENTHIC PLANTS	LAND	CROPPING	PRODUCTIVITY	48	STATIONS		

SUBSTRATE SELECTIVE PROPERTIES OF MARSH PLANTS
DATA COLLECTED: AUGUST 1973 TO 1976

RECEIVED: JULY 31, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., BAR HARBOR MAINE, LEWIS DELAWARE, SAPELO ISLAND GEORGIA

ABSTRACT:
AN INVESTIGATION OF THE RELATIONSHIP BETWEEN SALT MARSH PLANTS AND SEDIMENT CHEMISTRY IS BEING CONDUCTED. STATIONS ARE IN MAINE, NEW JERSEY, AND GEORGIA. 10 DOMINANT PLANT SPECIES ARE CORRELATED WITH SOIL COLOR, DENSITY, TEXTURE, PH, SALINITY, TEMPERATURE, ORGANIC CARBON, MANGANESE, IRON, POTASSIUM, PHOSPHORUS, CHLORIDE, AMMONIA, NITRITE, NITRATE, AND TOTAL NITROGEN.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
2000 PAGES

FUNDING:
NATIONAL SCIENCE FOUNDATION; UNIVERSITY OF GEORGIA

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN L. GALLAGHER 912 352 1631
UNIVERSITY OF GEORGIA
MARINE INSTITUTE
SAPELO ISLAND GEORGIA USA 31327

GRID LOCATOR (LAT):
740648 730785 730811

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	16 STATIONS	BIMONTHLY		
TIME	EARTH	STATION TIME	YMD	16 STATIONS	BIMONTHLY		FIVE STATIONS AT BAR HARBOR, FIVE STATIONS AT LEWIS, SIX STATIONS AT SAPELO ISLAND
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY		16 STATIONS	BIMONTHLY		
COLOR	SEDIMENT	VISUAL	MUSEUM COLOR	16 STATIONS	BIMONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
			CHIPS				
PH	WATER	PH METER	PH UNITS	16	STATIONS	BIMONTHLY	
SALINITY	WATER	INDEX OF REFRACTION	PPT	16	STATIONS	BIMONTHLY	
TEMPERATURE	WATER	THERMISTOR	DEG C	16	STATIONS	BIMONTHLY	
DENSITY	SEDIMENT	BULK SPECIFIC GRAVITY	GRAMS	16	STATIONS	BIMONTHLY	
GRAIN TEXTURE	SEDIMENT	VISUAL	STANDARD UNITS	16	STATIONS	BIMONTHLY	
NITROGEN	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	
NITRATE	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	
NITRITE	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	
AMMONIA	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	
CHLORIDE	INTERSTITIAL	TITRATION		16	STATIONS	BIMONTHLY	
ORGANIC CARBON	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	
IRON	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	
MANGANESE	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	
POTASSIUM	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	
PHOSPHORUS	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	16	STATIONS	BIMONTHLY	

003828

SPARTINA ENVIRONMENTAL PHYSIOLOGY
DATA COLLECTED: AUGUST 1972 TO 1976

RECEIVED: JULY 31, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., MAINE TO SOUTH CAROLINA

ABSTRACT:
AN INVESTIGATION OF SALT MARSH PLANT PHYSIOLOGY WITH STATIONS IN MAINE, NEW JERSEY, VIRGINIA, NORTH AND SOUTH CAROLINA IS BEING CONDUCTED. ANALYSIS OF THE 15 DOMINANT PLANT SPECIES INCLUDES POTASSIUM, PHOSPHORUS, CALCIUM, MANGANESE, IRON, ALUMINUM, BORON, PROTEIN, AND CARBOHYDRATES IN BIO MATERIAL ANCILLARY DATA INCLUDES SEDIMENT TEMPERATURE, SALINITY AND TOTAL DISSOLVED ORGANIC CARBON.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
4 FIFTY PAGES NOTEBOOKS

FUNDING:
NATIONAL SCIENCE FOUNDATION; UNIVERSITY OF GEORGIA

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN L. GALLAGHER 912 352 1631
UNIVERSITY OF GEORGIA
MARINE INSTITUTE
SAPELO ISLAND GEORGIA USA 31327

GRID LOCATOR (LAT):
740648 730786 730765 730747 730729

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	7 STATIONS	ANNUAL		
TIME	EARTH	STATION TIME	YMD	7 STATIONS	ANNUAL		3 STATIONS IN BAR HARBOR MAINE, ONE STATION IN LEWIS, DELAWARE; VIRGINIA BEACH, VIRGINIA; NEW TOPSAIL BEACH,

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							NORTH CAROLINA; AND ISLE OF PALMS, SOUTH CAROLINA
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY		7 STATIONS	ANNUAL		15 DOMINANT SPECIES
POTASSIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7 STATIONS	ANNUAL		
PHOSPHORUS IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7 STATIONS	ANNUAL		
CALCIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7 STATIONS	ANNUAL		
MANGANESE IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7 STATIONS	ANNUAL		
IRON IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7 STATIONS	ANNUAL		
ALUMINUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7 STATIONS	ANNUAL		
BORON IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7 STATIONS	ANNUAL		
PROTEIN IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7 STATIONS	ANNUAL		
CARBOHYDRATES IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MICROGRAM ATOMS/ GRAM	7 STATIONS	ANNUAL		STARCH AND SUGAR
APPARENT OXYGEN UTILIZATION	WATER	TITRATION	MICROGRAM ATOMS/ GRAM	7 STATIONS	ANNUAL		MEASUREMENT OF PLANT RESPIRATION AS OXYGEN CONSUMPTION AND CARBON DIOXIDE RELEASE
ORGANIC CARBON	INTERSTITIAL	GAS CHROMATOGRAPHY	MICROGRAM ATOMS/ GRAM	7 STATIONS	ANNUAL		
TEMPERATURE	SEDIMENT	THERMISTOR	DEG C	7 STATIONS	ANNUAL		
SALINITY	INTERSTITIAL	INDEX OF REFRACTION	PPT	7 STATIONS	ANNUAL		

004551

ANNUAL ANGIOSPERM PRODUCTION ON A SALT MARSH
DATA COLLECTED: JUNE 1960 TO OCTOBER 1960

RECEIVED: AUGUST 01, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., DELAWARE BAY, CANARY CREEK MARSH, COASTAL

ABSTRACT:
QUANTITATIVE MEASUREMENTS WERE MADE IN SELECTED AREAS ON THE CANARY CREEK SALT MARSH TO DETERMINE THE QUANTITY OF ANGIOSPERM PLANT MATERIAL PRODUCED DURING THE 1960 GROWING SEASON. PRODUCTION WAS MEASURED BY THE CLIP QUADRANT METHOD. PRELIMINARY ANALYSIS DEMONSTRATED THAT 24 HALF SQUARE METER SAMPLES WERE ADEQUATE FOR EACH SAMPLING DATE. NET PRODUCTION IS REPRESENTED AS THE SUM OF THE AMOUNT OF LIVING MATERIAL PRESENT AT THE END OF THE GROWING SEASON AND THE INCREASE IN DEAD MATERIAL DURING THE GROWING SEASON. THE MARSH WAS FOUND TO PRODUCE 445 GRAMS AT A RATE OF 5.32 GRAMS PER DAY OF DRY WEIGHT PER SQUARE METER. PRODUCTION WAS FOUND TO VARY OVER THE SURFACE OF THE MARSH AND WAS ASSOCIATED WITH DRAINAGE CONDITIONS.

DATA AVAILABILITY:
LIBRARY LOAN

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
ONE 34 PAGE THESIS

FUNDING:
UNIVERSITY OF DELAWARE RESEARCH FOUNDATION

INVENTORY:

PUBLICATIONS:
DATA INCLUDED IN UNPUBL. M.S. THESIS, 1961, BY MARCIA HAZELTON MORGAN

CONTACT:
LIBRARIAN 302 645 6674
UNIVERSITY OF DELAWARE, MARINE STATION LIBRARY
LEWES DELAWARE USA 19958

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DEG	40	STATIONS	BIWEEKLY	SURFACE	
TIME	EARTH	STATION TIME	YM	184	OBS	BIWEEKLY	SURFACE	
PHOTOSYNTHETIC RATE	LAND	OXYGEN DETERMINATION	GMS/M2	184	OBS	BIWEEKLY	SURFACE	CLIP QUADRANT METHOD
YIELD OF BENTHIC PLANTS	LAND	PLANT WEIGHT		184	OBS	BIWEEKLY	SURFACE	METHOD INVOLVES MEASURING LIVING AND DEAD MATERIAL BY WEIGHT PER

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							SQUARE METER

DATA COLLECTED: JULY 1967 TO JULY 1970 RECEIVED: AUGUST 15, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., DELAWARE BAY, CANARY CREEK SALT MARSH, COASTAL

ABSTRACT:
A TOTAL OF 104 SPECIES WERE IDENTIFIED AS BELONGING TO AT LEAST ONE OF THE FIVE EDAPHIC DIATOM ASSEMBLAGES UNDER INVESTIGATION IN THE CANARY CREEK SALT MARSH, LEWES, DELAWARE. THE TALL SPARTINA ALTERNIFLORA, BARE BANK, DWARF SPARTINA ALTERNIFLORA, DISTICHLIS SPICATA, AND PANNE EACH HAD ITS OWN RECOGNIZABLE DIATOM ORGANIZATION. THESE FLORISTIC ASSEMBLAGES WERE SEEN TO DIFFER IN THEIR DOMINANT SPECIES, ASSOCIATION OF SPECIES, AND ENVIRONMENTAL CHARACTERISTICS THROUGHOUT THE YEAR STUDY. THE STUDY AREAS WITH SPERMATOPHYTE COVER WERE MORE DIVERSE IN TOTAL NUMBER OF DIATOM SPECIES, PARTICULARLY IN THE WINTER AND EARLY SPRING. OCCURRENCE AT A PARTICULAR STUDY AREA WAS EASIER TO EXPLAIN THAN PERIODICITY AT THAT STATION. IT IS THOUGHT AT PRESENT THAT LIGHT, TEMPERATURE, DESICCATION, AND SALINITY PLAY THE DOMINANT ROLES IN INFLUENCING DIATOM ABUNDANCE AND GROWTH ON THE MARSH. SINCE THESE DIATOMS ARE AT THE BASE OF THE FOOD WEB IN THE SALT MARSH ECOSYSTEM ALONG WITH THE GRASSES, IT IS FELT THAT RESEARCH ON BOTH ENTITIES IS IMPERATIVE TO AN UNDERSTANDING OF THE CONTRIBUTION THAT SALT MARSHES MAKE TO DELAWARE BAY

DATA AVAILABILITY:
LIBRARY LOAN

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
ONE OF 95 PAGE THESIS

FUNDING:
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

INVENTORY:

PUBLICATIONS:
DATA INCLUDED IN UNPUBL M.S. THESIS, 1971, BY MICHAEL JAMES SULLIVAN

CONTACT:
LIBRARIAN 302 645 6674
UNIVERSITY OF DELAWARE MARINE STATION LIBRARY
LEWES DELAWARE USA 19958

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DEG	5	STATIONS	EVERY 3 WEEKS	SURFACE	
TIME	EARTH	STATION TIME	YMD	18	OBS	EVERY 3 WEEKS	SURFACE	
TEMPERATURE	AIR	THERMISTOR	DEG C	18	OBS		ONE AND TWO-TENTHS M	
TEMPERATURE	WATER	THERMISTOR	DEG C	18	OBS		SURFACE	
TEMPERATURE	LAND	THERMISTOR	DEG C	18	OBS		SURFACE	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
SALINITY	WATER	INDEX OF REFRACTION	PPT	18	OBS		1 CM AND 2 CM BELOW SURFACE AND SURFACE	
PH	WATER	SPECIFIC ION ELECTRODE	PH UNITS	18	OBS		SURFACE	
PH	LAND	SPECIFIC ION ELECTRODE	PH UNITS	18	OBS		SURFACE	
SPECIES DETERMINATION OF PHYTOPLANKTON	WATER	KEY	SPECIES	18	OBS		SURFACE	
COUNT OF PHYTOPLANKTON	WATER	VISUAL	NUMBER	18	OBS		SURFACE	
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	SPECIES	18	OBS		SURFACE	
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER	18	OBS		SURFACE	

PROJECTS:
VIRGINIA SOIL SURVEY

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., VIRGINIA, ACCOMAC COUNTY

ABSTRACT:
A SOIL SURVEY OF ACCOMAC COUNTY, VIRGINIA WAS CONDUCTED. THIS SURVEY INCLUDES STUDIES AND DESCRIPTIONS OF THE SOILS IN ACCOMAC COUNTY, AS WELL AS MAPS COMPILED FROM AERIAL PHOTOGRAPHS OF THE COUNTY.
(REPRINTED IN 1942)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION; AIRCRAFT

ARCHIVE MEDIA:
REPORTS
41 PAGE INHOUSE REPORT

FUNDING:
US DOA

INVENTORY:

PUBLICATIONS:

CONTACT:
PETRI 703 951 6481
VIRGINIA POLYTECHNIC INSTITUTE
AGRONOMY DEPT
BLACKSBURG VIRGINIA USA 24061

GRID LOCATOR (LAT):
730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	10	STATIONS			
TIME	EARTH	STATION TIME	YMD	10	STATIONS	MONTHLY		
SOIL TYPE	LAND	AERIAL PHOTOGRAPHY		10	STATIONS	MONTHLY		
PERMEABILITY	LAND	VISUAL	INCHES PER HOUR	10	STATIONS	MONTHLY		
SOIL MOISTURE	LAND	CALCULATED	PERCENT	10	STATIONS	MONTHLY		
ORGANIC CARBON	LAND	DRY WEIGHT	PERCENT	10	STATIONS	MONTHLY		
NITROGEN	LAND	TITRATION	PERCENT	10	STATIONS	MONTHLY		
OXIDES	LAND	TITRATION	PERCENT	10	STATIONS	MONTHLY		FREE IRON OXIDE
CALCIUM	LAND	TITRATION	MEQ PER 100 GM	10	STATIONS	MONTHLY		
MAGNESIUM	LAND	TITRATION	MEQ PER 100 GM	10	STATIONS	MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SODIUM	LAND	FLAME SPECTROMETRY	MEG PER 100 GM	10 STATIONS	MONTHLY		
POTASSIUM	LAND	FLAME SPECTROMETRY	MEG PER 100 GM	10 STATIONS	MONTHLY		
PH	LAND	COLORIMETRY		10 STATIONS	MONTHLY		
PHOSPHORUS	LAND	COLORIMETRY	PPM	10 STATIONS	MONTHLY		
EXCHANGEABLE MANGANESE	LAND	ATOMIC ABSORPTION SPECTROMETRY	PPM	10 STATIONS	MONTHLY		
PRECIPITATION AMOUNT	AIR	DIRECT	INCHES	10 STATIONS	MONTHLY		

SOIL SURVEY OF ISLE OF WRIGHT COUNTY, VIRGINIA
DATA COLLECTED: JANUARY 1937 TO JANUARY 1941

RECEIVED: DECEMBER 29, 1975

PROJECTS:
VIRGINIA SOIL SURVEY

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., VIRGINIA, ISLE OF WRIGHT COUNTY

ABSTRACT:
A SOIL SURVEY OF ISLE OF WRIGHT COUNTY, VIRGINIA WAS CONDUCTED. THIS SURVEY INCLUDES STUDIES AND DESCRIPTIONS OF THE SOILS IN ISLE OF WRIGHT, AS WELL AS MAPS COMPILED FROM AERIAL PHOTOGRAPHS OF THE COUNTY.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION; AIRCRAFT

ARCHIVE MEDIA:
REPORTS
41 PAGE INHOUSE REPORT

FUNDING:
US DOA

INVENTORY:

PUBLICATIONS:

CONTACT:
PETRI 703 951 6481
VIRGINIA POLYTECHNIC INSTITUTE
AGRONOMY DEPT
BLACKSBURG VIRGINIA USA 24061

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	15 STATIONS			
TIME	EARTH	STATION TIME	YMD	15 STATIONS	MONTHLY		
SOIL TYPE	LAND	AERIAL PHOTOGRAPHY		15 STATIONS	MONTHLY		
PERMEABILITY	LAND	VISUAL	INCHES PER HOUR	15 STATIONS	MONTHLY		
SOIL MOISTURE	LAND	CALCULATED	PERCENT	15 STATIONS	MONTHLY		
ORGANIC CARBON	LAND	DRY WEIGHT	PERCENT	15 STATIONS	MONTHLY		
NITROGEN	LAND	TITRATION	PERCENT	15 STATIONS	MONTHLY		
OXIDES	LAND	TITRATION	PERCENT	15 STATIONS	MONTHLY		FREE IRON OXIDE
CALCIUM	LAND	TITRATION	MEG PER 100GM	15 STATIONS	MONTHLY		
MAGNESIUM	LAND	TITRATION	MEG PER 100GM	15 STATIONS	MONTHLY		
SODIUM	LAND	FLAME SPECTROMETR	MEG PER 100GM	15 STATIONS	MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POTASSIUM	LAND	FLAME SPECTROMETRY	MEG PER 100GM	15 STATIONS	MONTHLY		
PH	LAND	COLORIMETRY		15 STATIONS	MONTHLY		
PHOSPHORUS	LAND	COLORIMETRY	PPM	15 STATIONS	MONTHLY		
EXCHANGEABLE MANGANESE	LAND	ATOMIC ABSORPTION SPECTROMETRY	PPM	15 STATIONS	MONTHLY		
PRECIPITATION AMOUNT	AIR	DIRECT	INCHES	15 STATIONS	MONTHLY		

SOIL SURVEY OF KING GEORGE COUNTY, VIRGINIA
DATA COLLECTED: JANUARY 1969 TO JANUARY 1974
RECEIVED: DECEMBER 29, 1975

PROJECTS:
VIRGINIA SOIL SURVEY

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., VIRGINIA, KING GEORGE COUNTY

ABSTRACT:
A SOIL SURVEY OF KING GEORGE COUNTY, VIRGINIA WAS CONDUCTED. THIS SURVEY INCLUDES STUDIES AND DESCRIPTIONS OF THE SOILS IN KING GEORGE COUNTY, AS WELL AS MAPS COMPILED FROM AERIAL PHOTOGRAPHS OF THE COUNTY.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION; AIRCRAFT

ARCHIVE MEDIA:
REPORTS
44 PAGES

FUNDING:
US DOA

INVENTORY:

PUBLICATIONS:

CONTACT:
PETRI 703 951 6481
VIRGINIA POLYTECHNIC INSTITUTE
AGRONOMY DEPT
BLACKSBURG VIRGINIA USA 24061

GRID LOCATOR (LAT):
730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	13	STATIONS			
TIME	EARTH	STATION TIME	YMD	13	STATIONS	MONTHLY		
SOIL TYPE	LAND	AERIAL PHOTOGRAPHY		13	STATIONS	MONTHLY		
PERMEABILITY	LAND	VISUAL	INCHES PER HOUR	13	STATIONS	MONTHLY		
SOIL MOISTURE	LAND	CALCULATED	PERCENT	13	STATIONS	MONTHLY		
ORGANIC CARBON	LAND	DRY WEIGHT	PERCENT	13	STATIONS	MONTHLY		
NITROGEN	LAND	TITRATION	PERCENT	13	STATIONS	MONTHLY		
OXIDES	LAND	TITRATION	PERCENT	13	STATIONS	MONTHLY		FREE IRON OXIDE
CALCIUM	LAND	TITRATION	MEG PER 100GM	13	STATIONS	MONTHLY		
MAGNESIUM	LAND	TITRATION	MEG PER 100GM	13	STATIONS	MONTHLY		
SODIUM	LAND	FLAME SPECTROMETR	MEG PER 100GM	13	STATIONS	MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POTASSIUM	LAND	FLAME SPECTROMETRY	MEG PER .00GM	13 STATIONS	MONTHLY		
PH	LAND	COLORIMETRY		13 STATIONS	MONTHLY		
PHOSPHORUS	LAND	COLORIMETRY	PPM	13 STATIONS	MONTHLY		
EXCHANGEABLE MANGANESE	LAND	ATOMIC ABSORPTION SPECTROMETRY	PPM	13 STATIONS	MONTHLY		
PRECIPITATION AMOUNT	AIR	DIRECT	INCHES	13 STATIONS	MONTHLY		

SOIL SURVEY OF CHESAPEAKE VIRGINIA
DATA COLLECTED: JANUARY 1953 TO JANUARY 1959
RECEIVED: JANUARY 12, 1976

PROJECTS:
VIRGINIA SOIL SURVEY

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., VIRGINIA, CHESAPEAKE

ABSTRACT:
A SOIL SURVEY OF CHESAPEAKE VIRGINIA WAS CONDUCTED. THIS SURVEY INCLUDES STUDIES AND DESCRIPTIONS OF THE SOILS OF CHESAPEAKE, AS WELL AS MAPS COMPILED FROM AERIAL PHOTOGRAPHS OF THE LARGE CITY.
(PRIOR TO 1963, THE CITY OF CHESAPEAKE WAS KNOWN AS NORFOLK COUNTY.)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION; AIRCRAFT

ARCHIVE MEDIA:
REPORTS
43 PAGE INHOUSE REPORT

FUNDING:
US DOA

INVENTORY:

PUBLICATIONS:

CONTACT:
PETRI 703 951 6481
VIRGINIA POLYTECHNIC INSTITUTE
AGRONOMY DEPT
BLACKSBURG VIRGINIA USA 24061

GRID LOCATOR (LAT):
730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	11 STATIONS			
TIME	EARTH	STATION TIME	YMD	11 STATIONS	MONTHLY		
SOIL TYPE	LAND	AERIAL PHOTOGRAPHY		11 STATIONS	MONTHLY		
PERMEABILITY	LAND	VISUAL	INCHES PER HOUR	11 STATIONS	MONTHLY		
SOIL MOISTURE	LAND	CALCULATED	PERCENT	11 STATIONS	MONTHLY		
ORGANIC CARBON	LAND	DRY WEIGHT	PERCENT	11 STATIONS	MONTHLY		
NITROGEN	LAND	TITRATION	PERCENT	11 STATIONS	MONTHLY		
OXIDES	LAND	TITRATION	PERCENT	11 STATIONS	MONTHLY		FREE IRON OXIDE
CALCIUM	LAND	TITRATION	MEG PER 100GM	11 STATIONS	MONTHLY		
MAGNESIUM	LAND	TITRATION	MEG PER 100GM	11 STATIONS	MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SODIUM	LAND	FLAME SPECTROMETRY	MEG PER 100GM	11 STATIONS	MONTHLY		
POTASSIUM	LAND	FLAME SPECTROMETRY	MEG PER 100GM	11 STATIONS	MONTHLY		
PH	LAND	COLORIMETRY		11 STATIONS	MONTHLY		
PHOSPHORUS	LAND	COLORIMETRY	PPM	11 STATIONS	MONTHLY		
EXCHANGEABLE MANGANESE	LAND	ATOMIC ABSORPTION SPECTROMETRY	PPM	11 STATIONS	MONTHLY		
PRECIPITATION AMOUNT	AIR	DIRECT	INCHES	11 STATIONS	MONTHLY		

PROJECTS:
VIRGINIA SOIL SURVEY

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., VIRGINIA, NORTHUMBERLAND COUNTY

ABSTRACT:
A SOIL SURVEY OF NORTHUMBERLAND COUNTY, VIRGINIA WAS CONDUCTED. THIS SURVEY INCLUDES STUDIES AND DESCRIPTIONS OF THE SOILS OF NORTHUMBERLAND COUNTY, AS WELL AS MAPS COMPILED FROM AERIAL PHOTOGRAPHS.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION; AIRCRAFT

ARCHIVE MEDIA:
REPORTS
33 PAGE INHOUSE REPORT

FUNDING:
US DOA

INVENTORY:

PUBLICATIONS:

CONTACT:
PETRI 703 951 6481
VIRGINIA POLYTECHNIC INSTITUTE
AGRONOMY DEPT
BLACKSBURG VIRGINIA USA 24061

GRID LOCATOR (LAT):
730787

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	15 STATIONS			
TIME	EARTH	STATION TIME	YMD	15 STATIONS	MONTHLY		
SOIL TYPE	LAND	AERIAL PHOTOGRAPHY		15 STATIONS	MONTHLY		
PERMEABILITY	LAND	VISUAL	INCHES PER HOUR	15 STATIONS	MONTHLY		
SOIL MOISTURE	LAND	CALCULATED	PERCENT	15 STATIONS	MONTHLY		
ORGANIC CARBON	LAND	DRY WEIGHT	PERCENT	15 STATIONS	MONTHLY		
NITROGEN	LAND	TITRATION	PERCENT	15 STATIONS	MONTHLY		
OXIDES	LAND	TITRATION	PERCENT	15 STATIONS	MONTHLY		FREE IRON OXIDE
CALCIUM	LAND	TITRATION	MEG PER 100GM	15 STATIONS	MONTHLY		
MAGNESIUM	LAND	TITRATION	MEG PER 100GM	15 STATIONS	MONTHLY		
SODIUM	LAND	FLAME SPECTROMETR	MEG PER 100GM	15 STATIONS	MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POTASSIUM	LAND	FLAME SPECTROMETRY	MEG PER 100GM	15 STATIONS	MONTHLY		
PH	LAND	COLORIMETRY		15 STATIONS	MONTHLY		
PHOSPHORUS	LAND	COLORIMETRY	PPM	15 STATIONS	MONTHLY		
EXCHANGEABLE MANGANESE	LAND	ATOMIC ABSORPTION SPECTROMETRY	PPM	15 STATIONS	MONTHLY		
PRECIPITATION AMOUNT	AIR	DIRECT	INCHES	15 STATIONS	MONTHLY		

SOIL SURVEY OF VIRGINIA BEACH, VIRGINIA
DATA COLLECTED: JANUARY 1939 TO JANUARY 1945

RECEIVED: JANUARY 12, 1976

PROJECTS:
VIRGINIA SOIL SURVEY

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., VIRGINIA, VIRGINIA BEACH

ABSTRACT:
A SOIL SURVEY OF VIRGINIA BEACH, VIRGINIA WAS CONDUCTED. THIS SURVEY INCLUDES STUDIES AND DESCRIPTIONS OF THE SOILS OF VIRGINIA BEACH, AS WELL AS MAPS COMPILED FROM AERIAL PHOTOGRAPHS.
(PRIOR TO 1963, VIRGINIA BEACH WAS KNOWN AS PRINCESS ANNE COUNTY.)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION; AIRCRAFT

ARCHIVE MEDIA:
REPORTS
37 PAGE INHOUSE REPORT

FUNDING:
US DOA

INVENTORY:

PUBLICATIONS:

CONTACT:
PETRI 703 951 6481
VIRGINIA POLYTECHNIC INSTITUTE
AGRONOMY DEPT
BLACKSBURG VIRGINIA USA 24061

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	10	STATIONS			
TIME	EARTH	STATION TIME	YMD	10	STATIONS	MONTHLY		
SOIL TYPE	LAND	AERIAL PHOTOGRAPHY		10	STATIONS	MONTHLY		
PERMEABILITY	LAND	VISUAL	INCHES PER HOUR	10	STATIONS	MONTHLY		
SOIL MOISTURE	LAND	CALCULATED	PERCENT	10	STATIONS	MONTHLY		
ORGANIC CARBON	LAND	DRY WEIGHT	PERCENT	10	STATIONS	MONTHLY		
NITROGEN	LAND	TITRATION	PERCENT	10	STATIONS	MONTHLY		
OXIDES	LAND	TITRATION	PERCENT	10	STATIONS	MONTHLY		FREE IRON OXIDE
CALCIUM	LAND	TITRATION	MEG PER 100GM	10	STATIONS	MONTHLY		
MAGNESIUM	LAND	TITRATION	MEG PER 100GM	10	STATIONS	MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SODIUM	LAND	FLAME SPECTROMETRY	MEG PER 100GM	10 STATIONS	MONTHLY		
POTASSIUM	LAND	FLAME SPECTROMETRY	MEG PER 100GM	10 STATIONS	MONTHLY		
PH	LAND	COLORIMETRY		10 STATIONS	MONTHLY		
PHOSPHORUS	LAND	COLORIMETRY	PPM	10 STATIONS	MONTHLY		
EXCHANGEABLE MANGANESE	LAND	ATOMIC ABSORPTION SPECTROMETRY	PPM	10 STATIONS	MONTHLY		
PRECIPITATION AMOUNT	AIR	DIRECT	INCHES	10 STATIONS	MONTHLY		

SOIL SURVEY OF STAFFORD COUNTY, VIRGINIA
DATA COLLECTED: JANUARY 1966 TO JANUARY 1974

RECEIVED: JANUARY 12, 1976

PROJECTS:
VIRGINIA SOIL SURVEY

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., VIRGINIA, STAFFORD COUNTY

ABSTRACT:
A SOIL SURVEY OF STAFFORD COUNTY, VIRGINIA WAS CONDUCTED. THIS SURVEY INCLUDES STUDIES AND DESCRIPTIONS OF THE SOILS OF STAFFORD COUNTY, AS WELL AS MAPS COMPILED FROM AERIAL PHOTOGRAPHS.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION; AIRCRAFT

ARCHIVE MEDIA:
REPORTS
36 PAGE INHOUSE REPORT

FUNDING:
US DOA

INVENTORY:

PUBLICATIONS:

CONTACT:
PETRI 703 951 6481
VIRGINIA POLYTECHNIC INSTITUTE
AGRONOMY DEPT
BLACKSBURG VIRGINIA USA 24061

GRID LOCATOR (LAT):
730787

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	9	STATIONS			
TIME	EARTH	STATION TIME	YMD	9	STATIONS	MONTHLY		
SOIL TYPE	LAND	AERIAL PHOTOGRAPHY		9	STATIONS	MONTHLY		
PERMEABILITY	LAND	VISUAL	INCHES PER HOUR	9	STATIONS	MONTHLY		
SOIL MOISTURE	LAND	CALCULATED	PERCENT	9	STATIONS	MONTHLY		
ORGANIC CARBON	LAND	DRY WEIGHT	PERCENT	9	STATIONS	MONTHLY		
NITROGEN	LAND	TITRATION	PERCENT	9	STATIONS	MONTHLY		
OXIDES	LAND	TITRATION	PERCENT	9	STATIONS	MONTHLY		FREE IRON OXIDE
CALCIUM	LAND	TITRATION	MEQ PER 100GM	9	STATIONS	MONTHLY		
MAGNESIUM	LAND	TITRATION	MEQ PER 100GM	9	STATIONS	MONTHLY		
SODIUM	LAND	FLAME SPECTROMETR	MEQ PER 100GM	9	STATIONS	MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POTASSIUM	LAND	Y FLAME SPECTROMETR	MEG PER 100GM	9 STATIONS	MONTHLY		
PH	LAND	Y COLORIMETRY		9 STATIONS	MONTHLY		
PHOSPHORUS	LAND	COLORIMETRY	PPM	9 STATIONS	MONTHLY		
EXCHANGEABLE MANGANESE	LAND	ATOMIC ABSORPTION SPECTROMETRY	PPM	9 STATIONS	MONTHLY		
PRECIPITATION AMOUNT	AIR	DIRECT	INCHES	9 STATIONS	MONTHLY		

WACHAPREAGUE INLET STUDY III
DATA COLLECTED: FEBRUARY 1970 TO FEBRUARY 1970

RECEIVED: FEBRUARY 06, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WACHAPREAGUE INLET

ABSTRACT:
MISSION W007, FLIGHT 01, WAS ACCOMPLISHED ON FEBRUARY 21, 1970, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH 4 T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN WETLAND AND MARSH IMAGERY OF THE WACHAPREAGUE INLET FOR USE IN TIDAL AND MARINE VEGETATION STUDIES. (MISSION NUMBER W007, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
183 9"X9" PRINTS

FUNDING:
VIRGINIA INSTITUTE OF MARINE SCIENCE

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NASA
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	183 STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	183 STATIONS	4 RUNS		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	183 STATIONS		5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

DATA COLLECTED: JUNE 1969 TO JUNE 1969 RECEIVED: FEBRUARY 06, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WACHAPREAGUE INLET

ABSTRACT:
MISSION W001, FLIGHT 01, WAS ACCOMPLISHED ON JULY 2, 1969, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH 4 T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN BASE LINE IMAGERY OF THE WACHAPREAGUE INLET AND ASSOCIATED WETLANDS FOR USE IN STUDYING WETLAND MARSHES AND TIDAL DRAINAGE.
(MISSION NUMBER W001, FLT 1)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
184 9"X9" PRINTS

FUNDING:
VIRGINIA INSTITUTE OF MARINE SCIENCE

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NASA
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE & LATITUDE	184	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	184	STATIONS	4 RUNS		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	184	STATIONS		5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, CAPE HENLOPEN, COASTAL

ABSTRACT:
MACROSCOPIC VASCULAR LAND PLANTS WERE COLLECTED IN THE LATE SPRING AND EARLY SUMMER ON AND NEAR CAPE HENLOPEN, DELAWARE. ALL PLANTS WERE COLLECTED THOUGH PARTICULAR ATTENTION WAS PAID TO THE PLANTS OF THE SALT MARSH, THE ACID BAG, AND THE BEACH DONE COMPLEX. THE PLANTS WERE IDENTIFIED USING GRAY'S MANUAL OF BOTANY. WHENEVER POSSIBLE, BOTH THE FERTILE AND THE STERILE PARTS OF EACH PLANT WAS COLLECTED.
(COLOR SLIDE PHOTOGRAPHS OF MANY OF THE PLANTS IN THE FIELD)

DATA AVAILABILITY:
AVAILABLE FOR ONSITE STUDY ONLY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
PHOTOPRINTS
100 SAMPLES

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
RICHARD CLARKE 302 738 1212
COLLEGE OF MARINE STUDIES
ROBINSON HALL
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
7307854055

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	1	STATIONS		SURFACE	
TIME	EARTH	STATION TIME	YMD	11	OBS		SURFACE	
TAXONOMIC LIST OF LAND PLANTS	LAND	KEY	INDIVIDUALS	50	OBS		SURFACE	APPROXIMATELY HALF OF SPECIMENS ARE LAND PLANTS AND HALF ARE TIDAL SALT MARSH PLANTS
TAXONOMIC LIST OF BENTHIC	LAND	KEY	INDIVIDUALS	50	OBS		SURFACE	APPROXIMATELY HALF OF

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
PLANTS								SPECIMENS ARE LAND PLANTS AND HALF ARE TIDAL SALT MARSH PLANTS
SAMPLE OF BENTHIC PLANTS	LAND	FORMALIN	INDIVIDUALS	50	OBS		SURFACE	
SAMPLE OF LAND PLANTS	LAND	FORMALIN	INDIVIDUALS	50	OBS		SURFACE	

005059

THE GREAT MARSH, LEWES, DELAWARE: THE PHYSIOGRAPHY, CLASSIFICATION, AND GEOLOGIC HISTORY OF A COASTAL MARSH

DATA COLLECTED: 1971 TO 1972

RECEIVED: OCTOBER 03, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY, GREAT MARSH OF LEWES

ABSTRACT:
DATA FROM SUBSURFACE INVESTIGATIONS OF THE GREAT MARSH, LEWES, DELAWARE, COLLECTED FROM 1971 TO 1972, ARE ANALYZED IN ORDER TO DEFINE A SERIES OF SEDIMENTARY FACIES AND ENVIRONMENTS OF DEPOSITION. THE SEDIMENTARY FACIES PATTERNS AND GEOLOGICAL HISTORY OF A COASTAL MARSH ARE DELINEATED AND A GENERAL SYSTEM OF MARSH CALSSIFICATION IS PROPOSED.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
123 PAGES

FUNDING:
OCEAN THEMIS SEDIMENTARY ENVIRONMENTS, OFFICE OF NAVAL RESEARCH

INVENTORY:

PUBLICATIONS:
ELLIOTT, G.K., 1973. THE GREAT MARSH, LEWES, DELAWARE: THE PHYSIOGRAPHY, CLASSIFICATION, AND GEOLOGIC HISTORY OF A COASTAL MARSH. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 123 P.

CONTACT:
GLEN K. ELLIOTT 302 738 2569
GEOLOGY DEPARTMENT, UNIVERSITY OF DELAWARE
LEWES DELAWARE USA 19711

GRID LOCATOR (LAT):
73078541

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	GENERAL AREA	MAP LOCATION	1	STATIONS			GREAT MARSH-LEWES, DELAWARE
TIME	EARTH	STATION TIME	Y	1	STATIONS			
SEDIMENT STRUCTURE	SEDIMENT	VISUAL	DESCRIPTIVE WORD RANGES	65	OBS			26 AUGER STATIONS; 39 CORE STATIONS
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	SPECIES	1	STATIONS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
PALEONTOLOGY	SEDIMENT	KEY	SPECIES	65 OBS			VISUAL AND MICROSCOPE IDENTIFICATION OF FORAMS AND BENTHIC ANIMALS

DATA COLLECTED: 1968 TO 1973 RECEIVED: MARCH 21, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, ATLANTIC SEABOARD, DELAWARE BAY, SOUTHWEST PHILADELPHIA, TINICUMMARSH

ABSTRACT:
THIS ENVIRONMENTAL IMPACT STATEMENT IS A COMPREHENSIVE ENVIRONMENTAL STUDY OF THE MARSH SURROUNDING PHILADELPHIA INTERNATIONAL AIRPORT. IT INCLUDES DISCUSSION AND DATA ON POPULATIONS AND DIVERSITY OF VEGETATION, MAMMALS, FISH, REPITLES, AMPHIBIANS, AND BIRDS. IT IS WELL REFERENCED TO PREVIOUS STUDIES.

DATA AVAILABILITY:
AT COST OF REPRODUCTION

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
APPROX 50 PAGE REPORT

FUNDING:
JACK MCCORMICK AND ASSOCIATRES

INVENTORY:

PUBLICATIONS:

CONTACT:
JAMES A. SCHMID 215 647 3110
JACK MCCORMICK AND ASSOCIATES
660 WATERLOO RD.
DEVON PENNSYLVANIA USA 19333

GRID LOCATOR (LAT):
73079551

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	STATION TIME	YMDL	1 STATIONS			
SOIL STRUCTURE	LAND	VISUAL		1 STATIONS		HUNDREDS OF FEET	
SPECIES DETERMINATION OF LAND PLANTS	LAND	KEY		1 STATIONS			
SPECIES DETERMINATION OF BIRDS	AIR	KEY		32 STATIONS			REPORTED SEASONALLY, INCLUDES DESCRIPTION OF HABITATS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SPECIES DETERMINATION OF MAMMALS	LAND	KEY		1 STATIONS			
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		1 STATIONS			
SPECIES DETERMINATION OF REPTILES	LAND	KEY		1 STATIONS			
SPECIES DETERMINATION OF REPTILES	WATER	KEY		1 STATIONS			
SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY		1 STATIONS			
POSITION	EARTH	FIXED POINT		1 STATIONS			

RHODE RIVER WATERSHED VEGETATIVE AND DRAINAGE STUDY
DATA COLLECTED: OCTOBER 1971 TO OCTOBER 1971

RECEIVED: AUGUST 30, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, RHODE RIVER

ABSTRACT:
MISSION W089, FLIGHT01, WAS ACCOMPLISHED ON OCTOBER 7, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL IMAGERY OF THE RHODE RIVER WATERSHED FOR USE BY SMITHSONIAN INSTITUTE INVESTIGATORS IN COMPILING AN INTEGRATED STUDY OF THE WATERSHED VEGETATION, SOIL, AND SURFACE WATER OVER AN EXTENDED PERIOD OF TIME.
(MISSION W089, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
172 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	172	OBS			
TIME	EARTH	STATION TIME	YMD	172	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	172	OBS	1 FLIGHT PER LINE	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, CECIL COUNTY

ABSTRACT:
MISSION W090, FLIGHT01, WAS ACCOMPLISHED ON OCTOBER 15, 1971, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL CAMERAS IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY AND THE MARYLAND DEPARTMENT OF CHESAPEAKE BAY AFFAIRS. THE OBJECTIVE OF THE FLIGHT WAS TO STUDY THE SEASONAL CHANGES OF FRESHWATER AND ESTUARINE MARSHES USING COLOR AND FALSE COLOR INFRARED AERIAL PHOTOGRAPHY.
(MISSION W090, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
246 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73079555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	246	OBS			
TIME	EARTH	STATION TIME	YMD	246	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	246	OBS	1 FLIGHT PER LINE	10000 AND 2000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	246	OBS	1 FLIGHT PER LINE	10000 AND 2000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, RHODES RIVER WATERSHED

ABSTRACT:
MISSION W073, FLIGHT01, WAS ACCOMPLISHED ON JULY 13, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN LARGE SCALE COLOR AND FALSE COLOR INFRARED IMAGERY OF THE RHODE RIVER WATERSHED FOR USE IN STUDYING THE INTERRELATIONSHIPS OF BIOLOGICAL, CULTURAL, AND METEOROLOGICAL FACTORS ON THE WATERSHED OVER AN EXTENDED PERIOD OF TIME.
(MISSION W073, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
190 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	190	OBS			
TIME	EARTH	STATION TIME	YMD	190	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	190	OBS	1 FLIGHT PER LINE	1200 AND 2500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	190	OBS	1 FLIGHT PER LINE	1200 AND 2500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

DATA COLLECTED: SEPTEMBER 1971 TO SEPTEMBER 1971 RECEIVED: SEPTEMBER 14, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA EASTERN SHORE

ABSTRACT:
MISSION W075, FLIGHT08, WAS ACCOMPLISHED ON SEPTEMBER 2, 1971, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE UNIVERSITY OF VIRGINIA. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN COLOR INFRARED IMAGERY OF PARRAMORE ISLAND/WACHAPREAGUE, VIRGINIA AND OF THE BARRIER ISLANDS FROM WALLOPS ISLAND TO PARRAMORE ISLAND.
(MISSION W075, FLIGHT08)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
117 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	117	OBS			
TIME	EARTH	STATION TIME	YMD	117	OBS	2 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	117	OBS	2 FLIGHTS PER LINE	4200 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

WACHAPREAGUE WETLAND STUDIES
DATA COLLECTED: AUGUST 1971 TO AUGUST 1971

RECEIVED: SEPTEMBER 14, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WACHAPREAGUE

ABSTRACT:
MISSION W078, FLIGHT02, WAS ACCOMPLISHED ON AUGUST 4, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO DETERMINE THE BEST FILM/FILTER COMBINATION FOR USE IN IMAGING WETLAND VEGETATION. (MISSION W078, FLIGHT02)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
147 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	147	OBS			
TIME	EARTH	STATION TIME	YMD	147	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	147	OBS	1 FLIGHT PER LINE	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WACHAPREAGUE

ABSTRACT:
MISSION W079, FLIGHT02, WAS ACCOMPLISHED ON AUGUST 20, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO IDENTIFY AND MAP WETLAND VEGETATION IN THE WACHAPREAGUE INLET TIDAL MARSHES USING BLACK AND WHITE INFRARED AND FALSE COLOR INFRARED PHOTOGRAPHY.
(MISSION W079, FLIGHT02)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
99 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	99	OBS			
TIME	EARTH	STATION TIME	YMD	99	OBS	3 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	99	OBS	3 FLIGHTS PER LINE	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

RHODES RIVER WATERSHED VEGETATIVE AND DRAINAGE STUDIES
DATA COLLECTED: AUGUST 1971 TO AUGUST 1971

RECEIVED: SEPTEMBER 14, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, RHODES RIVER WATERSHED

ABSTRACT:
MISSION W080, FLIGHT01, WAS ACCOMPLISHED ON AUGUST 23, 1971, UTILIZING A WALLOPS FLIGHT CENTER LEASED HELICOPTER EQUIPPED WITH FOUR T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN LARGE AND SMALL IMAGERY OF THE RHODES RIVER WATERSHED. THE IMAGERY WILL BE USED IN CONJUNCTION WITH EXTENSIVE GROUND TRUTH INFORMATION IN PREPARING A COMPREHENSIVE LAND USE AND ECOSYSTEMS STUDY OF THE WATERSHED.
(MISSION W080, FLIGHT01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
327 9" X 9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	327	OBS			
TIME	EARTH	STATION TIME	YMD	327	OBS	3 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	327	OBS	3 FLIGHTS PER LINE	3500 AND 10,000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, RHODE RIVER WATERSHED

ABSTRACT:
MISSION W105, FLIGHT 01, WAS ACCOMPLISHED ON JANUARY 21, 1972 UTILIZING A WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN WINTER IMAGERY OF THE RHODE RIVER WATERSHED TO BE USED IN STUDING EROSIONAL PROCESSES AT WORK WITHIN THE AREA WITHOUT THE INTERFERENCE OF LEAF COVERAGE IN WOODED AREAS. A RUN WAS MADE OVER POPLAR AND COACHES ISLANDS FOR OBTAINING DATA OF EROSIONAL PROCESSES AT WORK ON THE BAYSIDE OF THE ISLANDS.
(MISSION, W105, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
184 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73079655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	184	OBS			
TIME	EARTH	SAMPLING TIME	YMDHM	184	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	184	OBS	1 FLIGHT PER LINE	2500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., VIRGINIA

ABSTRACT:
MISSION W106, FLIGHT 02, WAS ACCOMPLISHED ON FEBRUARY 1, 1972, UTILIZING A WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL COLOR INFRARED PHOTOGRAPHY OF MARSHES AND WETLANDS DURING THE DORMANT WINTER PERIOD FOR COMPARISON WITH IMAGERY TAKEN DURING THE ACTIVE SEASON.
(MISSION W106, FLIGHT 02)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
130 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077555 73077634 73077655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	130	OBS			
TIME	EARTH	SAMPLING TIME	YMDHM	130	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	130	OBS	1 FLIGHT PER LINE	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, TOM'S COVE

ABSTRACT:
MISSION W106, FLIGHT 04, WAS ACCOMPLISHED ON FEBRUARY 1, 1972, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE CHINCOTEAGUE NATIONAL WILDLIFE RESERVE OF THE BUREAU OF SPORT FISHERIES AND WILDLIFE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN LARGE SCALE IMAGERY OF THE LAND SURROUNDING TOM'S COVE FOR USE IN STUDYING EROSION AND DEPOSITIONAL FEATURES OF THE TERRAIN IN TOM'S COVE.
(MISSION W106, FLIGHT 04)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
28 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077555

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	28	OBS			
TIME	EARTH	SAMPLING TIME	YMDHM	28	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	28	OBS	1 FLIGHT PER LINE	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

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NORTH CAROLINA BARRIER ISLAND STUDY
DATA COLLECTED: FEBRUARY 1972 TO FEBRUARY 1972

RECEIVED: SEPTEMBER 16, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, BARRIER ISLANDS

ABSTRACT:
MISSION W107, FLIGHT 01, WAS ACCOMPLISHED ON FEBRUARY 4, 1972, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH THE GEOLOGICAL DEPARTMENT OF THE UNIVERSITY OF VIRGINIA FOR THE U.S. PARK SERVICE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL IMAGERY OF THE NORTH CAROLINA BARRIER ISLANDS FOR A CONTINUING STUDY OF LITTORAL CHANGES CAUSED BY TIDAL AND STORM ACTION OVER AN EXTENDED PERIOD OF TIME.
(MISSION W107, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
285 9"X9" PRINTS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73076525 73075555 73075535 73075525 73075610 73074645 73074655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	285	OBS			
TIME	EARTH	SAMPLING TIME	YMDHM	285	OBS	2 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	285	OBS	2 FLIGHT PER LINE	2500, 5000 & 10,000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

ASSATEAGUE ISLAND STUDY-MARYLAND
DATA COLLECTED: FEBRUARY 1972 TO FEBRUARY 1972

RECEIVED: SEPTEMBER 16, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, MARYLAND, ASSATEAGUE ISLAND

ABSTRACT:
MISSION W107, FLIGHT 03, WAS ACCOMPLISHED ON FEBRUARY 4, 1972, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH THE GEOLOGY DEPARTMENT OF THE UNIVERSITY OF VIRGINIA FOR THE U.S. PARK SERVICE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN WINTER IMAGERY OF ASSATEAGUE ISLAND FOR DETERMINING LITTORAL EROSIONAL CHANGES BROUGHT ABOUT BY LATE FALL AND EARLY WINTER STORMS.
(MISSION W107, FLIGHT 03)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
67 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73077554 73078541

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	67	OBS			
TIME	EARTH	STATION TIME	YMD	67	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	67	OBS	1 FLIGHT PER LINE	5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

RHODE RIVER VEGETATIVE AND DRAINAGE STUDIES-MARYLAND
DATA COLLECTED: MARCH 1972 TO MARCH 1972

RECEIVED: SEPTEMBER 16, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, RHODE RIVER

ABSTRACT:
MISSION W116, FLIGHT 02, WAS ACCOMPLISHED ON MARCH 28, 1972, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH ONE T-11 AERIAL CAMERA AND ONE AAD-2 THERMAL IR SCANNER IN COOPERATION WITH THE CHESAPEAKE BAY CENTER FOR ENVIRONMENTAL STUDIES OF THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO PROVIDE COMPARATIVE COLOR AND INFRARED IMAGERY OF THE RHODE RIVER WATERSHED.
(MISSION W116, FLIGHT 02)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
140 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73076655

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	36	OBS			
TIME	EARTH	STATION TIME	YMD	36	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	36	OBS	1 FLIGHT PER LINE	2500 & 10,000 FEET	152 AND FOUR-TENTHS MM AND 20 AND ONE-TENTH MM FOCAL LENGTHS
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	36	OBS	1 FLIGHT PER LINE	2500 & 10,000 FEET	152 AND FOUR-TENTHS MM AND

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							20 AND ONE-TENTH MM FOCAL LENGTHS

CHESAPEAKE BAY AREA LAND FORMS
DATA COLLECTED: APRIL 1972 TO APRIL 1972

RECEIVED: SEPTEMBER 16, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY AREA

ABSTRACT:
MISSION W117, FLIGHT 01, WAS ACCOMPLISHED ON APRIL 5, 1972, UTILIZING A WALLOPS FLIGHT CENTER QUEEN AIR AIRCRAFT EQUIPPED WITH FOUR HASSELBLAD CAMERAS, IN COOPERATION WITH NASA'S GODDARD SPACE FLIGHT CENTER. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN AERIAL IMAGERY OF A VARIETY OF LAND FORMS FOUND IN THE CHESAPEAKE BAY AREA. IMAGES WERE TAKEN OF BARRIER ISLANDS, INLAND WETLANDS, HEAVILY DISECTED UPLANDS, AND HEAVILY WOODED LOWLANDS.
(MISSION W117, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
277 70MM PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078650 73077555 73078503 73078635 73078634 73078754 73078740

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	277	STATIONS			
TIME	EARTH	STATION TIME	YMD	277	OBS	4 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	277	OBS	4 FLIGHTS PER LINE	5000 & 10,000 FEET	40 MM FOCAL LENGTH

DATA COLLECTED: NOVEMBER 1973 TO NOVEMBER 1973 RECEIVED: NOVEMBER 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND

ABSTRACT:
MISSION W245, FLIGHT 01, WAS ACCOMPLISHED ON NOVEMBER 1, 1973, UTILIZING THE WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA AND AN I2S MULTISPECTRAL CAMERA SYSTEM IN COOPERATION WITH THE GEOLOGICAL SURVEY BRANCH OF THE MARYLAND DEPARTMENT OF NATURAL RESOURCES. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN FALSE COLOR INFRARED AND MULTISPECTRAL PHOTOGRAPHY OF MARYLANDS ATLANTIC OCEAN AND CHESAPEAKE BAY SHORELINES. THE IMAGERY WILL BE USED IN SENSING THE VALUE OF ERTS IMAGERY FOR MONITORING SHORELINE CHANGES.
(MISSION W245, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
600, 70MM PRINTS; 134, 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078540 73078502 73078515 73077555 73078643 73078732 73078740 73078621 73078740 73078613 73079603 73078653

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	734	OBS			
TIME	EARTH	STATION TIME	YMD	734	OBS	5 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	734	OBS	5 FLIGHTS PER LINE	9500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	734	OBS	5 FLIGHTS PER LINE	9500 FEET	100 MM FOCAL LENGTH

DATA COLLECTED: NOVEMBER 1973 TO NOVEMBER 1973 RECEIVED: NOVEMBER 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND

ABSTRACT:
MISSION W245, FLIGHT 02, WAS ACCOMPLISHED ON NOVEMBER 2, 1973, UTILIZING THE WALLOPS STATION C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA AND AN I2S MULTISPECTRAL CAMERA SYSTEM IN COOPERATION WITH THE GEOLOGICAL SURVEY BRANCH OF THE MARYLAND DEPARTMENT OF NATURAL RESOURCES. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN FALSE COLOR INFRARED AND MULTISPECTRAL PHOTOGRAPHIC IMAGERY OF CHESAPEAKE BAY AND POTOMAC RIVER SHORELINES FOR USE IN ASSESSING THE VALUE OF ERTS IMAGERY IN MONITORING SHORELINE CHANGES.
(MISSION W245, FLIGHT 02)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
137, 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73079641 73078654 73079643 73078634 73079650

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	137	OBS			
TIME	EARTH	STATION TIME	YMD	137	OBS	2 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	137	OBS	2 FLIGHTS PER LINE	9500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	137	OBS	2 FLIGHTS PER LINE	9500 FEET	152 AND FOUR-TENTHS MM

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							FOCAL LENGTH

REHOBETH BAY AND INDIAN RIVER BAY WETLANDS STUDY DELAWARE
DATA COLLECTED: OCTOBER 1973 TO OCTOBER 1973

RECEIVED: NOVEMBER 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE

ABSTRACT:
MISSION W244, FLIGHT 01, WAS ACCOMPLISHED ON OCTOBER 15, 1973, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS IN COOPERATION WITH THE COLLEGE OF MARINE STUDIES OF THE UNIVERSITY OF DELAWARE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN COLOR AND FALSE COLOR INFRARED PHOTOGRAPHY OF THE DELAWARE WETLANDS SURROUNDING REHOBETH AND INDIAN RIVER BAYS. THIS IMAGERY WILL BE USED IN MAPPING SPECIES, LOCATION AND EXTENT OF WETLAND VEGETATION IN THESE BAY AREAS. (MISSION W244, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
266, 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078551 73078541 73078531

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	266	OBS			
TIME	EARTH	STATION TIME	YMD	266	OBS	5 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	266	OBS	5 FLIGHTS PER LINE	6000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	266	OBS	5 FLIGHTS PER LINE	6000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, COASTAL PLAIN, U.S., MARYLAND, QUEEN ANN COUNTY

ABSTRACT:
A STUDY OF VEGETATIVE REHABITATION OF THREE DISTURBED MARSHES IN QUEEN ANN COUNTY, MARYLAND IS BEING CONDUCTED. ALL SUBMERGENT AND EMERGENT PLANTS TO 3 FOOT WATER DEPTH AT THREE DISTURBED AREAS, AND 52 STATIONS PER DISTURBED AREA ARE BEING STUDIED. SAMPLES ARE TAKEN EARLY AND LATE SUMMER.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
ONE NOTEBOOK

FUNDING:
MD DEPT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:
JAMES R. GOLDBERRY, DIRECTOR 301 267 5195
MARYLAND WILDLIFE ADMINISTRATION, DEPARTMENT OF NATURAL RESOURCES
TAWES STATE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
7307960200

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	3	STATIONS			
TIME	EARTH	STATION TIME	YMD	3	STATIONS	TWICE/YEAR		
SPECIES DETERMINATION OF BENTHIC PLANTS	BOTTOM	KEY		3	STATIONS	TWICE/YEAR		
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL	NUMBER/SPECIES AND RELATIVE DENSITY	3	STATIONS	TWICE/YEAR		
BOTTOM TYPE	BOTTOM	VISUAL		3	STATIONS	TWICE/YEAR		DESCRIPTION OF BOTTOM CHARACTER AS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							FIRM OR MUCK AND DEPTH OF MUCK

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, COASTAL PLAIN, U.S., MARYLAND, QUEEN ANN, SOMERSET, WACOMICO, AND DORCHESTER COUNTY

ABSTRACT:
A STUDY OF VEGATATIVE REHABITATION OF 6 SPOIL SITES ON THE BAY SIDE OF THE EASTERN SHORE, MARYLAND IS BEING CONDUCTED. REHABITATION STUDY OF 6 SPOIL SITES CONSISTS OF ONE CROSS TRANSECT AT EACH SITE. SAMPLES ARE TAKEN EVERY 50 FEET ALONG TRANSECT ARM. VEGETATIONAL APPEARANCE AND SPECIES LIST FOR BOTH SUPER AND INTER-TIDAL SAMPLES ARE NOTED.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
ONE NOTEBOOK

FUNDING:
MD DEPT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:
JAMES R. GOLDBERRY, DIRECTOR 301 267 5195
MARYLAND WILDLIFE ADMINISTRATION, DEPARTMENT OF NATURAL RESOURCES
TAWES STATE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
73077555 7307961050

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	6 STATIONS			
TIME	EARTH	STATION TIME	YMD	6 STATIONS	ONCE PER YEAR		
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY		6 STATIONS	ONCE PER YEAR		
SPECIES DETERMINATION OF BENTHIC PLANTS	BOTTOM	KEY		6 STATIONS	ONCE PER YEAR		
COUNT OF BENTHIC PLANTS	LAND	VISUAL	ESTIMATED ABUNDANCE	6 STATIONS	ONCE PER YEAR		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL	ESTIMATED ABUNDANCE	6 STATIONS	ONCE PER YEAR		

MARSH AND CREEK VEGETATION SURVEY
DATA COLLECTED: JULY 1975 TO PRESENT
RECEIVED: NOVEMBER 23, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, COASTAL PLAIN, U.S., MARYLAND, QUEEN ANN COUNTY

ABSTRACT:
A SURVEY OF THE MARSH AND CREEK VEGETATION OF QUEEN ANN COUNTY, BAY SIDE OF EASTERN SHORE, MARYLAND IS BEING CONDUCTED. ALL PLANTS FROM THE HIGH MARSH EMERGENT TO AQUATIC SUBMERGENT OF CREEKS FROM HEAD WATER TO MOUTH ARE NOTED. 7 MARSH TRANSECTS WITH 5 STATIONS EACH, AND 14 CREEK TRANSECTS WITH 6 STATIONS EACH ARE MEASURED.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
ONE NOTEBOOKS

FUNDING:
MD DEPT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:
JAMES R. GOLDBERRY, DIRECTOR 301 267 5195
MARYLAND WILDLIFE ADMINISTRATION, DEPARTMENT OF NATURAL RESOURCES
TAWES STATE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
7307960200

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	11 STATIONS			
TIME	EARTH	STATION TIME	YMD	11 STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY		11 STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	BOTTOM	KEY		11 STATIONS			
COUNT OF BENTHIC PLANTS	LAND	VISUAL	SPECIES ABUNDANCE AND	11 STATIONS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF RENTHOS PLANTS	BOTTOM	VISUAL	RELATIVE ABUNDANCE SPECIES ABUNDANCE AND RELATIVE ABUNDANCE	11 STATIONS			

NUTRIA SURVEY OF MARYLAND WETLANDS
DATA COLLECTED: JANUARY 1974 TO DECEMBER 1976

RECEIVED: NOVEMBER 23, 1976

KEYWORD:

PROJECT:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, COASTAL, U.S., MARYLAND, DORCHESTER COUNTY WETLANDS

ABSTRACT:
A SURVEY OF DORCHESTER COUNTY, MARYLAND, NUTRIA POPULATIONS WAS CONDUCTED. ANALYSIS INCLUDED SEX RATIOS, RANGE, POPULATION DENSITY, MORPHOMETRIC MEASUREMENTS, FOOD AND HABITAT SELECTION AND CONTROLED BURNING OF SELECTED HABITAT TYPES. CENSUS (INCLUDED) BOTH GROUND AND AERIAL PHOTOGRAPHY. MARSH TYPES WERE CLASSED BY HABITAT PREFERENCE AND PLANT COMMUNITY TYPES. CONTROLLED BURNINGS WERE USED TO ESTIMATE EFFECT AND RECOVERY OF BOTH NUTRIA AND VEGETATION. (MONOGRAPH IN PREPARATION)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION; AIRCRAFT

MEDIUM MEDIA:
DATA SHEETS
5 NOTEBOOKS

FUNDING:
MD DEPT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:
JAMES G. GOLDSBERRY, DIRECTOR 301 267 5195
MARYLAND WILDLIFE ADMINISTRATION, DEPARTMENT OF NATURAL RESOURCES
TAWES STATE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
[illegible]

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	1	STATIONS			
TIME	EARTH	STATION TIME	YMD	1	STATIONS	DAILY		
SPECIES DETERMINATION OF MAMMALS	LAND	KEY		1	STATIONS	DAILY		NUTRIA WERE LIVE TRAPPED ALONG MARSH TRANSECTS
COUNT OF MAMMALS	LAND	VISUAL	NUMBER/TRANSECT	1	STATIONS	DAILY		
BIOMASS CONTENT ANALYSIS OF	LAND	VISUAL	DRY WEIGHT VOLUME/PLANT	1	STATIONS	DAILY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
MAMMALS			SPECIES					
SEX DETERMINATION OF MAMMALS	LAND	VISUAL	PERCENT	1	STATIONS	DAILY		
WEIGHT OF MAMMALS	LAND	TOTAL WEIGHT	GRAMS	1	STATIONS	DAILY		
BIOLOGICAL CONDITION OF MAMMALS	LAND	HISTOLOGICAL	INCIDENCE/ ANIMAL	1	STATIONS	DAILY		FESTER AND SMEAR
MORPHOMETRIC MEASUREMENT OF MAMMALS	LAND	DIRECT	CENTIMETER	1	STATIONS	DAILY		EAR LENGTH, TAIL LENGTH, HINDFOOT LENGTH, TOTAL LENGTH
MIGRATION STUDY OF MAMMALS	LAND	TAGGING STUDIES	POPULATION ESTIMATES, RANGE	1	STATIONS	DAILY		MARKED RECAPTURE
SPECIES DETERMINATION OF BEATAGE PLANTS	LAND	KEY		1	STATIONS	DAILY		
COUNT OF BEATAGE PLANTS	LAND	VISUAL	NUMBER/SPECIES	1	STATIONS	DAILY		
WEIGHT OF BEATAGE PLANTS	LAND	DRY WEIGHT	PERCENT DRY WEIGHT/SPECIES	1	STATIONS	DAILY		

DYNAMIC RIVER BASIN CHARACTERISTICS STUDY-MARYLAND
DATA COLLECTED: OCTOBER 1973 TO OCTOBER 1973

RECEIVED: NOVEMBER 23, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, DELAWARE

ABSTRACT:
MISSION W051, FLIGHT 01, WAS ACCOMPLISHED ON OCTOBER 16, 1973, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA AND 125 MULTISPECTRAL CAMERA SYSTEM. THE FLIGHT WAS MADE IN COOPERATION WITH THE WATER RESOURCE DIVISION OF THE U.S. GEOLOGICAL SURVEY. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN MULTISPECTRAL IMAGERY OF THE RIVER BASIN DURING EARLY AUTUMN FOR USE IN STUDYING AND DEFINING RIVER BASIN DYNAMICS.
(MISSION W051, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

PHOTOPRINTS
61, 9"X9" PRINTS, 244, 70 MM PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
T30T88A032 T30T85F313

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	305	OBS			
TIME	EARTH	STATION TIME	YMD	305	OBS	5 FLIGHTS PER LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	305	OBS	5 FLIGHTS PER LINE	5500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	305	OBS	5 FLIGHTS PER LINE	5500 FEET	100 MM FOCAL LENGTH

AN ENVIRONMENTAL INVENTORY OF THE QUEEN ANNE'S HARBOR TRACT
DATA COLLECTED: SEPTEMBER 1973 TO DECEMBER 1973

RECEIVED: JULY 26, 1976

PROJECT:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, ANNE ARUNDEL COUNTY, BOOKIN NECK AREA

ABSTRACT:
BIOLOGICAL, PHYSICAL, AND CHEMICAL PARAMETERS WERE COLLECTED FROM SEPTEMBER THROUGH DECEMBER, 1973 TO PRODUCE A DATA BASELINE FOR THE QUEEN ANNE'S HARBOR, BROOKIN NECK AREA, MARYLAND. PARAMETERS INCLUDE SPECIES COUNT OF PLANTS, ANIMALS, AND FISH, NUTRIENTS, TEMPERATURE, SALINITY, METALS, TURBIDITY, AND DISSOLVED SOLIDS AND GASES.
(PROJECT CARRIED OUT BY JACK MCCORMICK AND ADDOCIATES FOR STATE OF MARYLAND)

DATA AVAILABILITY:
AVAILABLE UPON REQUEST FROM JACK MCCORMICK AND ASSOCIATES OFFICE IN BERWYN, PENNSYLVANIA

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
69 PAGES

FUNDING:
STATE OF MARYLAND, DEPARTMENT OF NATURAL RESURCES

CITATION:

PUBLICATIONS:

CONTACT:
JACK MCCORMICK 215 647 9000
JACK MCCORMICK AND ASSOCIATES
[illegible] OLD LANCASTER ROAD
BERWYN PENNSYLVANIA USA 19312

GRID LOCATION (LAT):
[illegible]

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
[illegible]	EARTH	FIXED POINT	MAP LOCATIONS	13 STATIONS	1 SURVEY		
[illegible]	EARTH	STATION TIME	YMD	13 STATIONS	1 SURVEY		
TAXONOMIC LIST OF LAND PLANTS	LAND	KEY	QUALITATIVE	1 STATIONS	1 SURVEY		
COUNT OF BIRDS	AIR	VISUAL	QUALITATIVE	6 STATIONS	1 SURVEY		
SPECIES DETERMINATION OF BIRDS	AIR	KEY	QUALITATIVE	6 STATIONS	1 SURVEY		
COUNT OF [illegible]	WATER	VISUAL	QUALITATIVE	6 STATIONS	1 SURVEY		
SPECIES	WATER	KEY	QUALITATIVE	6 STATIONS	1 SURVEY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF AMPHIBIANS							
SPECIES	LAND	KEY	QUALITATIVE	6	STATIONS	1 SURVEY	
DETERMINATION OF MAMMALS							
COUNT OF MAMMALS	LAND	VISUAL	QUALITATIVE	6	STATIONS	1 SURVEY	
TEMPERATURE	WATER	RESISTANCE THERMOMETER	DEG C	13	STATIONS	1 SURVEY	
SALINITY	WATER	CONDUCTIVITY	PARTS/THOUSAND	13	STATIONS	1 SURVEY	
ELECTRICAL CONDUCTIVITY	WATER	LAB CONDUCTIVITY CELL	MHOS/CENTIMETER	13	STATIONS	1 SURVEY	
PH	WATER	PH METER	PH UNITS	13	STATIONS	1 SURVEY	
DISSOLVED OXYGEN GAS	WATER	TITRATION	MILLIGRAM/LITER	13	STATIONS	1 SURVEY	
INORGANIC CARBON	WATER	AUTOANALYZER	MILLIGRAM/LITER	13	STATIONS	1 SURVEY	
NUCLEAR NITROGEN	WATER	SPECTROPHOTOMETRY	MILLIGRAM/LITER	13	STATIONS	1 SURVEY	
PHOSPHATE	WATER	SPECTROPHOTOMETRY	MILLIGRAM/LITER	13	STATIONS	1 SURVEY	
SULFATE	WATER	SPECTROPHOTOMETRY	MILLIGRAM/LITER	13	STATIONS	1 SURVEY	
SULFIDE	WATER	TITRATION	MILLIGRAM/LITER	13	STATIONS	1 SURVEY	
LIGHT ATTENUATIO N	WATER	COLORIMETRY	FTU	13	STATIONS	1 SURVEY	
COLOR	WATER	COLORIMETRY	PLATINUM-COBALT UNITS	39	OBS	3 OBS/STATION	
ZINC	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
MERCURY	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
COPPER	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
IRON	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
LEAD	WATER	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
NUCLEAR NITROGEN	SEDIMENT	SPECTROPHOTOMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
SULFIDE	SEDIMENT	TITRATION	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
PHOSPHATE	SEDIMENT	SPECTROPHOTOMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
CHEMICAL OXYGEN DEMAND	SEDIMENT	DIGESTION	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
OILS	SEDIMENT	EXTRACTION/ WEIGHT	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
ZINC	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
MERCURY	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
COPPER	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
IRON	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	
LEAD	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	MILLIGRAM/LITER	39	OBS	3 OBS/STATION	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
[illegible]	WATER	VISUAL	NUMBER/1000 SQUARE FOOT SEINE AREA	20	OBS	5 OBS/SURVEY		
[illegible]	WATER	KEY	NUMBER/1000 SQUARE FOOT SEINE AREA	20	OBS	5 OBS/SURVEY		
[illegible]	BOTTOM	VISUAL	NUMBER/SQUARE FOOT	13	STATIONS	1 SURVEY		
[illegible]	BOTTOM	KEY	NUMBER/SQUARE FOOT	13	STATIONS	1 SURVEY		
[illegible]	WATER	VISUAL	NUMBER/CUBIC METER	3	OBS	1 SURVEY		
[illegible]	WATER	KEY	NUMBER/CUBIC METER	3	OBS	1 SURVEY		
[illegible]	WATER	VISUAL	NUMBER/CUBIC METER	3	OBS	1 SURVEY		
[illegible]	WATER	KEY	NUMBER/CUBIC METER	3	OBS	1 SURVEY		
[illegible]	WATER	VISUAL	NUMBER/100 MILLILITER	39	OBS	3 OBS/STATION		TOTAL BACTERIA; FECAL BACTERIA; TOTAL COLIFORM; TOTAL STREPTOCOCCI
[illegible]	DISSOLVED	DESICCATION WEIGHT	MILLIGRAM/LITER	39	OBS	3 OBS/STATION		
[illegible]	WATER	MEMBRANE FILTRATION	MILLIGRAM/LITER	39	OBS	3 OBS/STATION		

BASELINE SURVEY FOR WYE ISLAND, MARYLAND
DATA COLLECTED: JANUARY 1974 TO MARCH 1974

RECEIVED: JULY 26, 1976

PROJECT:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND, CHESAPEAKE BAY, EASTERN BAY, EASTERN SHORE, WYE ISLAND

ABSTRACT:
A DATA BASELINE SURVEY WAS COLLECTED FOR WYE ISLAND, MARYLAND. JANUARY THROUGH MARCH, 1974. THE FOLLOWING DATA WAS COLLECTED:
GEOLOGY, EROSION, WIND, RAINFALL, TEMPERATURE, SOIL CHARACTERISTICS, WATER TABLE DEPTH, AND VEGETATION ON THE ISLAND.

DATA AVAILABILITY:
AVAILABLE UPON REQUEST FROM BARBARA SCHENKLE AT THE OFFICES OF WMRT IN PHILADELPHIA

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
100 PAGES

FUNDING:
THE ROUSE COMPANY, COLUMBIA MARYLAND

INVENTORY:

PUBLICATIONS:

CONTACT:
BARBARA SCHENKLE 215 564 2611
WALLACE, MCHARG, ROBERTS AND TODD INCORPORATED
1737 CHESTNUT STREET
PHILADELPHIA PENNSYLVANIA USA 19103

GRID LOCATOR (LAT):
7307065100 7307065299

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	1	STATIONS			STATION REPRESENTS THE AREA OF WYE ISLAND
TIME	EARTH	STATION TIME	YMD	1	STATIONS			
SOIL STRUCTURE	LAND	VISUAL	QUALITATIVE UNITS	1	STATIONS	1 SURVEY/AREA		STRATIGRAPHIC DESCRIPTION
DEPOSITION RATE	LAND	DIRECT	ACRES/MILE/YEAR	6	OBS	6 STATIONS/ AREA		
WIND DIRECTION	AIR	DIRECTION VANE	COMPASS DIRECTION	1	STATIONS	SEASONAL		1 YEAR DURATION
WIND SPEED	AIR	ANEMOMETER	MILES/HOUR	1	STATIONS	SEASONAL		1 YEAR DURATION
PRECIPITATION	AIR	DIRECT	INCHES	1	STATIONS	MONTHLY		AT ANNAPOLIS

IDENTIFICATION SECTION:

NAME	PHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
AMOUNT							
TEMPERATURE	AIR	MERCURY THERMOMETER	DEG F	1 STATIONS	MONTHLY		MEAN DAILY TEMPERATURE
SOIL TYPE	LAND	VISUAL	QUALITATIVE UNITS	17 OBS	1 SURVEY/AREA		DESCRIPTION OF SOIL DEPTH AND SUSCEPTIBLE EROSION
SIZE ANALYSIS	LAND	VISUAL	QUALITATIVE UNITS	17 OBS	1 SURVEY/AREA		
PERMEABILITY	LAND	PENETROMETER	INCHES/HOUR	1 STATIONS	3 OBS/AREA		
WATER TABLE ELEVATION	LAND	DIRECT	FEET	1 STATIONS	3 OBS/AREA		
TAXONOMIC LIST OF LAND PLANTS	LAND	KEY	QUALITATIVE UNITS	1 STATIONS	1 SURVEY/AREA		

A TWO YEAR STUDY OF MOSQUITO BREEDING AND WILDLIFE USAGE IN THE LITTLE CREEK IMPOUNDED SALT MARSH, LITTLE CREEK WILDLIFE AREA, DELAWARE, 1959-60

DATA COLLECTED: 1959 TO 1960

RECEIVED: AUGUST 12, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, KENT COUNTY

ABSTRACT:
PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING STUDIES CONDUCTED IN THE DELAWARE LITTLE CREEK WILDLIFE AREA DURING 1959 AND 1960 TO DETERMINE THE ENVIRONMENTAL AND ECOLOGICAL CHANGES OCCURRING IN A NATURAL MARSH AREA UPON THE CONSTRUCTION OF A SALT WATER IMPOUNDMENT. EMPHASIZED ARE THE EFFECTS OF THE IMPOUNDMENT ON MOSQUITO BREEDING AND WILDLIFE UTILIZATION.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
171 PAGES

FUNDING:
DELAWARE BOARD OF GAME AND FISH COMMISSIONERS, MOSQUITO CONTROL DIVISION OF THE DELAWARE STATE HIGHWAY DEPARTMENT

INVENTORY:

PUBLICATIONS:
FINDALL, E.E., 1961. A TWO YEAR STUDY OF MOSQUITO BREEDING AND WILDLIFE USAGE IN THE LITTLE CREEK IMPOUNDED SALT MARSH, LITTLE CREEK WILDLIFE AREA, DELAWARE, 1959-60. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 121 P.

CONTACT:
MORRIS LIBRARY 302 738 2455
UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
73079503

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			
TIME	EARTH	STATION TIME	YM	1 STATIONS			
TEMPERATURE MAXIMUM	AIR	MAXIMUM TEMPERATURE THERMOMETER	DEG F	1 STATIONS	1 OBS/WEEK		MAY-OCTOBER 1958; APRIL-OCTOBER 1960
TEMPERATURE MINIMUM	AIR	MINIMUM TEMPERATURE THERMOMETER	DEG F	1 STATIONS	1 OBS/WEEK		MAY-OCTOBER 1958; APRIL-OCTOBER 1960
TEMPERATURE	WATER	REVERSING THERMOMETER	DEG F	1 STATIONS	1 OBS/WEEK		MAY-OCTOBER 1958; APRIL-OCTOBER 1960

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
PRECIPITATION AMOUNT	AIR	RAIN GAGE	INCHES	1 STATIONS	1 OBS/WEEK		MAY-OCTOBER 1958; APRIL-OCTOBER 1960
DEVELOPMENTAL STAGE OF INSECTS	LAND	MORPHOLOGICAL CHARACTERISTICS	NUMBER OF LARVAE/PUPAE PER SPECIES PER AREA	1 STATIONS			2 AREAS: 1959 - TOTAL MARSH AND CHECK AREA, 1960 - TOTAL IMPOUNDMENT AND CHECK AREA
SPECIES DETERMINATION OF INSECTS	LAND	KEY	SPECIES OF ADULT MOSQUITOES TRAPPED PER YEAR	1 STATIONS			SPECIES OF IMMATURE MOSQUITOES PER SECTION (APRIL-OCTOBER 1959); SPECIES OF IMMATURE MOSQUITOES PER POND (APRIL-OCTOBER 1960); SPECIES OF OTHER AQUATIC INSECTS PER PLANT SPECIES ASSOCIATION (1960)
COUNT OF INSECTS	LAND	VISUAL	NUMBER OF INDIVIDUALS PER SPECIES TRAPPED PER OBS PER YEAR	1 STATIONS			
SEX DETERMINATION OF INSECTS	LAND	VISUAL	NUMBER OF MALE/FEMALE INDIVIDUALS PER SPECIES OF ADULT MOSQUITOES TRAPPED PER YEAR	1 STATIONS			
SALINITY	WATER	CONDUCTIVITY	PPM	1 STATIONS			
PH	WATER	PH METER	PH UNITS	1 STATIONS			
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		1 STATIONS			FISH TRAPPED OR NETTED IN UNIMPOUNDED MARSH (1959)
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS PER SPECIES	1 STATIONS			
STOMACH CONTENT ANALYSIS OF PELAGIC FISH	WATER	VISUAL	TAXONOMIC LISTING OF ORGANISMS PRESENT	1 STATIONS			FUNDULUS OCELLARIS
SPECIES	LAND	KEY		1 STATIONS			WILDLIFE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF REPTILES							OBSERVED IN NATURAL AND IMPOUNDED MARSH AREA AND IN UPLAND PERIMETER AREA (1959-1960)
SPECIES DETERMINATION OF BIRDS	AIR	KEY		1 STATIONS			WILDLIFE OBSERVED IN NATURAL AND IMPOUNDED MARSH AREA AND IN UPLAND PERIMETER AREA (1959-1960)
SPECIES DETERMINATION OF MAMMALS	LAND	KEY		1 STATIONS			WILDLIFE OBSERVED IN NATURAL AND IMPOUNDED MARSH AREA AND IN UPLAND PERIMETER AREA (1959-1960)
SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY		1 STATIONS			WILDLIFE OBSERVED IN NATURAL AND IMPOUNDED MARSH AREAS (1959-1960)
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY		1 STATIONS			COMMON SPECIES OF MARSH VEGETATION

THE DISTRIBUTION, GROWTH AND LIFE HISTORY OF MELAMPUS BIDENTATUS (GASTROPODA: PULMONATA) IN THE DELAWARE BAY REGION

DATA COLLECTED: OCTOBER 1971 TO OCTOBER 1974

RECEIVED: OCTOBER 15, 1976

PROJECT:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., COASTAL, DELAWARE BAY, CANARY CREEK, BROADKILL RIVER

ABSTRACT:
THE DATA IN THIS FILE IS PURSUANT TO A STUDY ON THE DISTRIBUTION, GROWTH, AND BIOLOGY OF THE SNAIL, MELAMPUS BIDENTATUS, AS IT OCCURS IN DELAWARE BAY MARSHES. THE DATA, COLLECTED FROM OCTOBER 1971 UNTIL OCTOBER 1974, INCLUDES COUNTS OF SNAILS, PLANT TYPE AT COLLECTION STATION, SALINITIES OF CREEKS NEAR COLLECTIONS, AND SIZE AND AGE DATA ON THE SNAILS COLLECTED. THIS DATA WAS INCLUDED IN AN M.S. THESIS BY NEAL HOWARD PARKER, 1976, UNIVERSITY OF DELAWARE

DATA AVAILABILITY:
UPON REQUEST ON INTERLIBRARY LOAN FROM MORRIS LIBRARY, UNIVERSITY OF DELAWARE

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
69 PAGES

FUNDING:
UNIVERSITY OF DELAWARE

INVENTORY:

PUBLICATIONS:
THIS DATA IS CONTAINED IN AN M.S. THESIS BY NEAL HOPWARD PARKER, 1976, UNIVERSITY OF DELAWARE

CONTACT:
FRANKLIN DAIBER 302 738 1214
UNIVERSITY OF DELAWARE
COLLEGE OF MARINE STUDIES
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
T3878541

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	32 STATIONS			
TIME	EARTH	STATION TIME	YMD	32 STATIONS			
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SQUARE METER OF MARSH	32 STATIONS	1 OBS/STATION		
SPECIES DETERMINATION OF LAND PLANTS	LAND	KEY	QUALITATIVE TERMS	32 STATIONS	1 OBS/STATION		MARSH PLANT TYPES RECORDED ONLY FOR 32 STATIONS ALONG

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SALINITY	WATER	INDEX OF REFRACTION	PPT	32 STATIONS	2 OBS/STATION		CANARY CREEK SALINITIES DETERMINED ONLY FOR 17 DELAWARE BAY AND BROADKILL RIVER STATIONS
LENGTH OF BENTHIC ANIMAL	BOTTOM	DIRECT	MILLIMETERS	32 STATIONS	2 OBS/STATION		
AGE DATING OF BENTHIC ANIMALS	BOTTOM	LENGTH FREQUENCY	AGE CLASS	32 STATIONS	2 OBS/STATION		
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY		32 STATIONS	2 OBS/STATION		SNAIL, MELAMPUS BIDENTATUS

DATA COLLECTED: MARCH 1956 TO OCTOBER 1958 RECEIVED: OCTOBER 15, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, ASSOWOMAN WILDLIFE AREA, LITTLE ASSOWOMAN BAY

ABSTRACT:
ASSOWOMAN WILDLIFE AREA ON LITTLE ASSOWOMAN BAY WAS STUDIED FROM FEBRUARY, 1956 TO NOVEMBER, 1958 IN ORDER TO COMPARE THE PRODUCTION OF MOSQUITOS IN NATURAL, DITCHED, AND IMPOUNDED SALT MARSHES. THE ABUNDANCE OF WILDLIFE, RAINFALL, TEMPERATURE, SALINITY, TIDES, VEGETATION, PH AND WATER DEPTH WERE THE PARAMETERS MEASURED.

DATA AVAILABILITY:
AVAILABLE UPON REQUEST FROM FRANK MURPHY IN THE DEPARTMENT OF ENTOMOLOGY AT THE UNIVERSITY OF DELAWARE

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
94 PAGES

FUNDING:
UNIVERSITY OF DELAWARE

INVENTORY:

PUBLICATIONS:

CONTACT:
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UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
7307853100

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	45	STATIONS	WEEKLY		
TIME	EARTH	STATION TIME	YMD	45	STATIONS	WEEKLY		
COUNT OF INSECTS	LAND	VISUAL	QUALITATIVE UNITS	45	STATIONS	WEEKLY		LARVA, PUPA, AND ADULT STAGES OF MOSQUITOS
SPECIES DETERMINATION OF INSECTS	LAND	KEY	QUALITATIVE UNITS	45	STATIONS	WEEKLY		LARVA, PUPA, AND ADULT STAGES OF MOSQUITOS
TAXONOMIC LIST	LAND	KEY	QUALITATIVE	45	STATIONS	WEEKLY		LARVA, PUPA,

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
OF INSECTS			UNITS					AND ADULT STAGES OF MOSQUITOS
PRECIPITATION AMOUNT	AIR	RAIN GAGE	INCHES	45	STATIONS	WEEKLY		
WATER TABLE ELEVATION	LAND	DIRECT	FEET	45	STATIONS	WEEKLY		
SALINITY	WATER	CONDUCTIVITY	PPM	45	STATIONS	WEEKLY		
PH	WATER	PH METER	PH UNITS	45	STATIONS	WEEKLY		
TEMPERATURE	WATER	REVERSING THERMOMETER	DEG C	45	STATIONS	WEEKLY		
TEMPERATURE	AIR	MERCURY THERMOMETER	DEG F	45	STATIONS	WEEKLY		
BATHYMETRY	WATER	LEAD LINE	INCHES	45	STATIONS	WEEKLY		
WATER LEVEL	WATER	RECORDING BUBBLER GAGE	FEET	45	STATIONS	DAILY		
SPECIES DETERMINATION OF LAND PLANTS	LAND	KEY	QUALITATIVE UNITS	45	STATIONS	WEEKLY		
SPECIES DETERMINATION OF MAMMALS	LAND	KEY	QUALITATIVE UNITS	45	STATIONS	WEEKLY		
STOMACH CONTENT ANALYSIS OF PELAGIC FISH	WATER	VISUAL	QUALITATIVE UNITS	369	OBS	WEEKLY		

THE USE OF LOW LEVEL IMPOUNDMENTS FOR CONTROL OF SALT MARSH MOSQUITO AEDES SOLICITANS (WALKER)

DATA COLLECTED: JANUARY 1968 TO JANUARY 1969

RECEIVED: OCTOBER 15, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, LEWES, BROADKILL RIVER

ABSTRACT:
PRE- AND POST-IMPOUNDMENT STUDY FOR MOSQUITO CONTROL AT THE BROADKILL RIVER MARSH IN LEWES, DELAWARE FROM JANUARY, 1968 TO JANUARY, 1969. PARAMETERS INCLUDE TAXONOMIC LISTS OF PLANTS, ANIMALS, BIRDS, FISH, AND MOSQUITOS AND SOME PHYSICAL PARAMETERS.

DATA AVAILABILITY:
AVAILABLE UPON REQUEST FROM FRANK MURPHY IN THE DEPARTMENT OF ENTOMOLOGY AT THE UNIVERSITY OF DELAWARE

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
65 PAGES

FUNDING:
UNIVERSITY OF DELAWARE

INVENTORY:

PUBLICATIONS:

CONTACT:
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UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
7307854150

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	1 STATIONS	1 SURVEY/AREA		STATION REFERS TO THE AREA SAMPLED
TIME	EARTH	STATION TIME	YMD	1 STATIONS	1 SURVEY/AREA		
TAXONOMIC LIST OF LAND PLANTS	LAND	KEY	QUALITATIVE UNITS	1 STATIONS	1 SURVEY/AREA		
TAXONOMIC LIST OF PERIPHYTON	WATER	KEY	QUALITATIVE UNITS	1 STATIONS	1 SURVEY/AREA		
TAXONOMIC LIST OF AMPHIBIANS	WATER	KEY	QUALITATIVE UNITS	1 STATIONS	1 SURVEY/AREA		
TAXONOMIC LIST OF REPTILES	WATER	KEY	QUALITATIVE UNITS	1 STATIONS	1 SURVEY/AREA		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TAXONOMIC LIST OF BIRDS	AIR	KEY	QUALITATIVE UNITS	1 STATIONS	1 SURVEY/AREA		
TAXONOMIC LIST OF PELAGIC FISH	WATER	KEY	QUALITATIVE UNITS	1 STATIONS	1 SURVEY/AREA		
TAXONOMIC LIST OF MAMMALS	LAND	KEY	QUALITATIVE UNITS	1 STATIONS	1 SURVEY/AREA		
COUNT OF INSECTS	LAND	VISUAL	QUALITATIVE UNITS	25 OBS	2 SURVEY/ MONTH EVERY 3 MONTHS		MOSQUITO AND TABANID STUDY
SPECIES DETERMINATION OF INSECTS	LAND	KEY	QUALITATIVE UNITS	25 OBS	2 SURVEY/ MONTH EVERY 3 MONTHS		MOSQUITO AND TABANID STUDY
LAND USE	LAND	VISUAL	PERCENT LAND OF TYPE VEGETATION	13 OBS	2 SURVEY/ MONTH EVERY 3 MONTHS		
SALINITY	WATER	INDEX OF REFRACTION	PPT	5 OBS	4 OBS/MONTH		SALINITY OF POOLS AND TIDAL CREEKS
TEMPERATURE	WATER	REVERSING THERMOMETER	DEG C	35 OBS	WEEKLY		

DATA COLLECTED: JULY 1968 TO OCTOBER 1969 RECEIVED: AUGUST 27, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, SUSSEX COUNTY, BROADKILL MARSH, LEWES

ABSTRACT:
PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING A STUDY CONDUCTED IN 1968 AND 1969 TO EVALUATE THE USE OF CHAMPAGNE POOL SYSTEMS IN CONTROL OF THE MOSQUITO AEDES SOLLICITANS ON DELAWARE SALT MARSHES. THE EFFECTIVENESS OF THE SHALLOW DITCH AS A DEVICE TO CONTROL THE WATER LEVEL IN THE POOL SYSTEM IS INCLUDED. EMPHASIZED ARE MOSQUITO PRODUCTION, VEGETATION TYPE, MARSH WATER SALINITY AND WILDLIFE PRESENCE BEFORE AND AFTER THECONSTRUCTION OF A CHAMPAGNE POOL SYSTEM ON AN UNIMPOUNDED SALT MARSH.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
66 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
HARRISON, F.J., JR., 1970. THE USE OF LOW LEVEL IMPOUNDMENTS FOR THE CONTROL OF THE SALT-MARSH MOSQUITO, AEDES SOLLICITANS (WALKER). MASTER'STHESIS, UNIVERSITY OF DELAWARE, 66P.

CONTACT:
MORRIS LIBRARY 302 738 2455
UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
73078543

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			BROADKILL MARSH, DELAWARE
TIME	EARTH	SAMPLING TIME	YMD	1 STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY		1 OBS			
SPECIES DETERMINATION OF PELAGIC	WATER	KEY		1 OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
FISH SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY		1	OBS			
SPECIES DETERMINATION OF REPTILES	LAND	KEY		1	OBS			
SPECIES DETERMINATION OF BIRDS	AIR	KEY		1	OBS			
SPECIES DETERMINATION OF MAMMALS	LAND	KEY		1	OBS			
SPECIES DETERMINATION OF INSECTS	LAND	KEY	SPECIES OF MOSQUITO IMMATURES PER OBS	8	OBS	1 OBS PER MONTH		JULY-SEPTEMBER 1968, MAY-SEPTEMBER 1969
COUNT OF INSECTS	LAND	VISUAL		8	OBS	1 OBS PER MONTH		JULY-SEPTEMBER 1968, MAY-SEPTEMBER 1969
DEPTH	LAND	DIRECT	INCHES	16	OBS			DITCH DEPTH: CENTER, END
COUNT OF BENTHIC PLANTS	LAND	VISUAL	PERCENT OF AREA AT DIPPING SITES	52	OBS	1 OBS PER DIPPING SITE PER YEAR		SPARTINA ALTERNIFLORA SPARTINA PATENS
SALINITY	WATER	HYDROMETER	PPT	41	OBS	1-2 OBS PER WEEK		5 SITES: 1968, 1969
TEMPERATURE MAXIMUM	AIR	MAXIMUM TEMPERATURE THERMOMETER	DEG F	34	OBS	1 OBS PER WEEK		LEWES, DELAWARE
TEMPERATURE MINIMUM	AIR	MINIMUM TEMPERATURE THERMOMETER	DEG F	34	OBS	1 OBS PER WEEK		LEWES, DELAWARE

SOME ENVIRONMENTAL CONSIDERATIONS OF IMPOUNDED TIDAL MARSHES ON MOSQUITO AND WATER BIRD PREVALENCE, LITTLE CREEK WILDLIFE AREA, DELAWARE
DATA COLLECTED: APRIL 1961 TO OCTOBER 1962

RECEIVED: AUGUST 27, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, KENT COUNTY, LITTLE CREEK WILDLIFE AREA

ABSTRACT:
PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING A FIELD STUDY CONDUCTED FROM APRIL 1961 TO OCTOBER 1962 ON THE LITTLE CREEK WILDLIFE AREA,DELAWARE. EMPHASIZED ARE AQUATIC BIRD POPULATIONS AND THE ENVIRONMENTAL FACTORS WHICH SEEM TO AFFECT THEIR NUMBERS AND THE FACTORS LIMITING MOSQUITO POPULATIONS IN THE IMPOUNDED MARSH AREAS.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
121 PAGES

FUNDING:
DELAWARE BOARD OF GAME AND FISH COMMISSIONERS; MOSQUITO CONTROL DIVISION

INVENTORY:

PUBLICATIONS:
LESSER, F.H., 1965. SOME ENVIRONMENTAL CONSIDERATIONS OF IMPOUNDED TIDAL MARSHES ON MOSQUITO AND WATERBIRD PREVALENCE, LITTLE CREEK WILDLIFE AREA, DELAWARE. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 121P.

CONTACT:
MORRIS LIBRARY 302 738 2455
UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
73079503

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			LITTLE CREEK WILDLIFE AREA
TIME	EARTH	SAMPLING TIME	YMD	1	STATIONS			
SPECIES DETERMINATION OF LAND PLANTS	LAND	KEY	SPECIES	1	OBS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	SPECIES	1	OBS	1 OBS PER YEAR		
SPECIES	AIR	KEY	SPECIES	3	OBS			SPECIES OF

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF BIRDS								BIRDS OBSERVED IN MARSH; SPECIES OF WATERFOWL USING MARSHAS PRODUCTION SITE 1961-1962
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	SPECIES	1	OBS			
SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY	SPECIES	1	OBS			
SPECIES DETERMINATION OF REPTILES	LAND	KEY	SPECIES	1	OBS			
SPECIES DETERMINATION OF MAMMALS	LAND	KEY	SPECIES	1	OBS			
SPECIES DETERMINATION OF INSECTS	LAND	KEY		25	OBS	1 OBS PER MONTH		
COUNT OF INSECTS	LAND	VISUAL	NUMBER OF MOSQUITO LARVAE AND PUPAE PER SPECIES	297	OBS	1 OBS PER MONTH		
COUNT OF BIRDS	AIR	VISUAL		2	OBS	1 OBS PER YEAR		

THE EFFECTIVENESS OF LOW-LEVEL IMPOUNDED SALT-MARSHES IN CONTROLLING THE PRODUCTION OF MOSQUITOES

DATA COLLECTED: 1965 TO 1966

RECEIVED: AUGUST 27, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, KENT COUNTY, SHORT'S MARSH, MASTERN'S MARSH, CHAMPAGNE POOL MARSH, NATURAL MARSH, DOVER WEATHER STATION

ABSTRACT:
PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING A STUDY CONDUCTED IN 1965 AND 1966 TO DETERMINE THE EFFECTIVENESS OF THE CHAMPAGNE POOL SYSTEM OR LOW-LEVEL IMPOUNDMENT AS A METHOD OF MOSQUITO CONTROL IN TWO TIDAL SALT MARSHES IN DELAWARE. EMPHASIZED ARE POPULATIONS OF IMMATURE MOSQUITOES, FISH POPULATIONS, VEGETATIONAL COVER, WATER TEMPERATURE, SALINITY AND DEPTH.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
84 PAGES

FUNDING:
MOSQUITO CONTROL DIVISION OF THE DELAWARE STATE HIGHWAY DEPARTMENT

INVENTORY:

PUBLICATIONS:
BOSIK,J.J., 1967. THE EFFECTIVENESS OF LOW-LEVEL IMPOUNDED SALT-MARSHES IN CONTROLLING THE PRODUCTION OF MOSQUITOES. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 84P.

CONTACT:
MORRIS LIBRARY 302 738 2245
UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
73079503

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2 STATIONS			2 IMPOUNDED MARSHES: SHORT'S MARSH, MASTEN'S MARSH
TIME	EARTH	SAMPLING TIME	YMD	2 STATIONS			
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	SPECIES	1 OBS			MAY-SEPTEMBER 1966

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
SPECIES DETERMINATION OF INSECTS	LAND	KEY	SPECIES	1	OBS			MOSQUITOES, MAY-SEPT 1966
SPECIES DETERMINATION OF MAMMALS	LAND	KEY		6	OBS			
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		4	OBS			
SPECIES DETERMINATION OF BIRDS	AIR	KEY		6	OBS			
SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY		1	OBS			
SPECIES DETERMINATION OF REPTILES	LAND	KEY		2	OBS			
DEPTH	WATER	VISUAL	INCHES	60	OBS			
LENGTH	WATER	VISUAL	FEET	60	OBS			CHAMPAGNE POOLS
WIDTH	WATER	VISUAL	FEET	67	OBS			CHAMPAGNE POOLS
SALINITY	WATER	HYDROMETER	PPT	125	OBS	1-2 OBS PER 2 WEEKS	MARSH SURFACE, TIDAL GUTS, CHAMPAGNE POOLS	
WATER CONTENT	SEDIMENT	GRAVIMETRY	PERCENT BY WEIGHT OF WATER	13	OBS			BOTTOM SEDIMENT-13 POOLS AT SHORT'S MARSH
SIZE ANALYSIS	SEDIMENT	VISUAL		13	OBS			BOTTOM SEDIMENT-13 POOLS AT SHORT'S MARSH
PRECIPITATION AMOUNT	AIR	RAIN GAGE	INCHES	51	OBS	1-2 OBS PER 2 WEEKS		3 STATIONS
TEMPERATURE MAXIMUM	AIR	MAXIMUM TEMPERATURE THERMOMETER	DEG F	36	OBS	1-2 OBS PER 2 WEEKS		2 STATIONS
TEMPERATURE MINIMUM	AIR	MINIMUM TEMPERATURE THERMOMETER	DEG F	36	OBS	1-2 OBS PER 2 WEEKS		2 STATIONS
COUNT OF INSECTS	LAND	VISUAL	IMMATURE MOSQUITOES, IMMATURE LARVAE	137	OBS	1 OBS PER MONTH		
DEVELOPMENTAL STAGE OF INSECTS	LAND	MORPHOLOGICAL CHARACTERISTICS		38764	OBS	1 OBS PER MONTH		
COUNT OF PELAGIC FISH	WATER	VISUAL		87	OBS	1 OBS PER MONTH		
SPECIES DETERMINATION OF BENTHIC	LAND	KEY		87	OBS	1 OBS PER MONTH		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
PLANTS TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG F	87 OBS	1 OBS PER MONTH		

008422 WILDLIFE PREVALENCE ON LOW LEVEL IMPOUNDMENTS
DATA COLLECTED: JANUARY 1965 TO DECEMBER 1966

RECEIVED: AUGUST 27, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, STANLEY SHORT MARSH AND RAYMOND MASTEN MARSH

ABSTRACT:
TO CO-ORDINATE INTERESTS OF MOSQUITO CONTROL, WILDLIFE AND FISHERY AGENCIES, LOW LEVEL IMPOUNDMENTS WERE PROPOSED FOR STANLEY SHORT MARSH ANDRAYMOND MASTEN MARSH FROM JANUARY, 1965 TO DECEMBER, 1966 VEGETATION CHANGES, WILDLIFE USAGE AND PRODUCTION WERE STUDIED.

DATA AVAILABILITY:
AVAILABLE UPON REQUEST FROM FRANK MURPHY IN THE DEPARTMENT OF ENTOMOLOGY, UNIVERSITY OF DELAWARE

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
83 PAGES

FUNDING:
STATE OF DELAWARE, BOARD OF GAME AND FISH COMMISSIONERS

INVENTORY:

PUBLICATIONS:

CONTACT:
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UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	2	STATIONS	5 TRAPPING PERIODS	SURFACE	
TIME	EARTH	STATION TIME	YMD	2	STATIONS	5 TRAPPING PERIODS	SURFACE	
COUNT OF LAND PLANTS	LAND	VISUAL	DENSITY	2	STATIONS	5 TRAPPING PERIODS	SURFACE	
SPECIES DETERMINATION OF LAND PLANTS	LAND	KEY	DENSITY	2	STATIONS	5 TRAPPING PERIODS	SURFACE	
COUNT OF MAMMALS	LAND	VISUAL	DENSITY	2	STATIONS	5 TRAPPING PERIODS	SURFACE	
SPECIES	LAND	KEY	DENSITY	2	STATIONS	5 TRAPPING	SURFACE	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF MAMMALS					PERIODS		
COUNT OF BIRDS	AIR	VISUAL	DENSITY	2 STATIONS	5 TRAPPING PERIODS	SURFACE	
SPECIES DETERMINATION OF BIRDS	AIR	KEY	DENSITY	2 STATIONS	5 TRAPPING PERIODS	SURFACE	
COUNT OF REPTILES	LAND	VISUAL	DENSITY	2 STATIONS	5 TRAPPING PERIODS	SURFACE	
SPECIES DETERMINATION OF REPTILES	LAND	KEY	DENSITY	2 STATIONS	5 TRAPPING PERIODS	SURFACE	
COUNT OF AMPHIBIANS	WATER	VISUAL	DENSITY	2 STATIONS	5 TRAPPING PERIODS	SURFACE	
SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY	DENSITY	2 STATIONS	5 TRAPPING PERIODS	SURFACE	
COUNT OF PELAGIC FISH	WATER	VISUAL	DENSITY	2 STATIONS	5 TRAPPING PERIODS	SURFACE	
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	DENSITY	2 STATIONS	5 TRAPPING PERIODS	SURFACE	
SPECIES DETERMINATION OF PERIPHYTON	WATER	KEY	DENSITY	2 STATIONS	5 TRAPPING PERIODS	SURFACE	
SALINITY	WATER	HYDROMETER	PERCENT SEA WATER	2 STATIONS	5 TRAPPING PERIODS	SURFACE	

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, KENT COUNTY, LITTLE CREEK WILDLIFE AREA

ABSTRACT:
THIS STUDY DETERMINES THE MOSQUITO BREEDING POTENTIAL OF A PREIMPOUNDED MARSH. IT STUDIES THE CHANGING ECOLOGICAL AND ENVIRONMENTAL CONDITIONS OF A MARSH AFTER IMPOUNDING, AND IT COMPARES THE WILDLIFE UTILIZATION AND MOSQUITO BREEDING POTENTIAL BETWEEN A NATURAL MARSH AND AN IMPOUNDEDMARSH. FROM APRIL, 1959 TO OCTOBER, 1960 THE FOLLOWING PARAMETERS WERE STUDIED IN THE LITTLE CREEK WILDLIFE AREA: PH, SALINITY, AIR AND WATER TEMPERATURE, WATER DEPTH, RAINFALL, SPECIATION OF FISH, VEGETATION, WILDLIFE, AND MOSQUITOES.

DATA AVAILABILITY:
AVAILABLE UPON REQUEST FROM FRANK MURPHY IN THE DEPARTMENT OF ENTOMOLOGY, UNIVERSITY OF DELAWARE

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
121 PAGES

FUNDING:
UNIVERSITY OF DELAWARE

INVENTORY:

PUBLICATIONS:

CONTACT:
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UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
7307951200

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	45	STATIONS	WEEKLY	WATER SURFACE	
TIME	EARTH	STATION TIME	YMD	45	OBS	WEEKLY	WATER SURFACE	
SPECIES DETERMINATION OF INSECTS	LAND	KEY		45	OBS	WEEKLY	WATER SURFACE	IMMATURE MOSQUITOES
COUNT OF INSECTS	LAND	VISUAL		45	OBS	WEEKLY	WATER SURFACE	IMMATURE MOSQUITOES
SPECIES DETERMINATION OF BENTHIC	BOTTOM	KEY		45	OBS	WEEKLY	WATER SURFACE	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
PLANTS								
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL		45	OBS	WEEKLY	WATER SURFACE	
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		45	OBS	WEEKLY	WATER SURFACE	
COUNT OF PELAGIC FISH	WATER	VISUAL		45	OBS	WEEKLY	WATER SURFACE	
SPECIES DETERMINATION OF MAMMALS	WATER	KEY		45	OBS	WEEKLY	WATER SURFACE	
COUNT OF MAMMALS	WATER	VISUAL		45	OBS	WEEKLY	WATER SURFACE	
PH	WATER	PH METER	PH UNITS	45	OBS	WEEKLY	WATER SURFACE	
SALINITY	WATER	CONDUCTIVITY	PPM	45	OBS	WEEKLY	WATER SURFACE	
TEMPERATURE	WATER	REVERSING THERMOMETER	DEG C	45	OBS	WEEKLY	WATER SURFACE	
TEMPERATURE	AIR	MERCURY THERMOMETER	DEG F	45	OBS	WEEKLY	WATER SURFACE	
BATHYMETRY	WATER	LEAD LINE	FEET	45	OBS	WEEKLY	WATER SURFACE	
PRECIPITATION AMOUNT	AIR	RAIN GAGE	INCHES	45	OBS	WEEKLY	WATER SURFACE	

1961

WACHAPREAGUE SALT WATER MARSH STUDY-VIRGINIA
DATA COLLECTED: JULY 1974 TO JULY 1974
RECEIVED: MARCH 07, 1977

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., VIRGINIA, WACHAPREAGUE

ABSTRACT:
MISSION W279, FLIGHT 01, WAS ACCOMPLISHED ON JUNE 19, 1974, UTILIZING THE WALLOPS FLIGHT CENTER C-54 AIRCRAFT EQUIPPED WITH A T-11 AERIAL MAPPING CAMERA IN COOPERATION WITH THE VIRGINIA INSTITUTE OF MARINE SCIENCE. THE OBJECTIVE OF THE FLIGHT WAS TO OBTAIN FALSE COLOR INFRARED IMAGERY OF THE WACHAPREAGUE INLET SALT WATER MARSHES FOR USE IN STUDYING SPECIES SIGNATURES. (MISSION W279, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
57 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 804 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	57	OBS			
TIME	EARTH	SAMPLING TIME	YMDHM	57	OBS	1 FLIGHT PER LINE		
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	57	OBS	1 FLIGHT PER LINE	500, 5000 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH

WETLAND MAPPING STUDY-MARYLAND
DATA COLLECTED: JULY 1974 TO JULY 1974

RECEIVED: MARCH 07, 1977

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., MARYLAND

ABSTRACT:
MISSION W288, FLIGHT 01, WAS ACCOMPLISHED ON JULY 31, 1974, UTILIZING THE WALLOPS STATION UH-1H HELICOPTER EQUIPPED WITH TWO T-11 AERIAL MAPPING CAMERAS AND AN I2S "B" MULTISPECTRAL CAMERA SYSTEM IN COOPERATION WITH THE SMITHSONIAN INSTITUTE. THE OBJECTIVE OF THE FLIGHT WAS TO PROVIDE REMOTE SENSING IMAGERY IN MULTIPLE WAVELENGTH BANDS AT A VARIETY OF SCALES FOR USE IN DETERMINING THE BEST TECHNIQUES IN MAKING DETAILED WETLAND MAPPING STUDIES.
(MISSION W288, FLIGHT 01)

DATA AVAILABILITY:

PLATFORM TYPES:
AIRCRAFT

ARCHIVE MEDIA:
PHOTOPRINTS
340 70MM PRINTS; 171 9"X9" PRINTS

FUNDING:
NATIONAL AERONAUTICS AND SPACE ADM

INVENTORY:

PUBLICATIONS:

CONTACT:
MICHAEL CONGER 604 824 3411
NATIONAL AERONAUTICS AND SPACE ADM
CHESAPEAKE BAY ECOLOGICAL PROGRAM OFFICE
WALLOPS ISLAND VIRGINIA USA 23337

GRID LOCATOR (LAT):
73078525 73078640

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	511	OBS			
TIME	EARTH	STATION TIME	YMD	511	OBS	12 FLIGHTS/ LINE		
PHOTOGRAPH	EARTH	COLOR CAMERA FROM AIRCRAFT	PRINTS	340	OBS	12 FLIGHTS/ LINE	250, 450, 500 AND 1500 FEET	152 AND FOUR-TENTHS MM FOCAL LENGTH
PHOTOGRAPH	EARTH	IR CAMERA FROM AIRCRAFT	PRINTS	171	OBS	12 FLIGHTS/ LINE	250, 450, 500 AND 1500 FEET	100MM FOCAL LENGTH

008887 ECOLOGICAL STUDIES IN THE BAYS AND OTHER WATERWAYS NEAR LITTLE EGG INLET AND IN THE OCEAN IN THE VICINITY OF THE PROPOSED SITE FOR THE ATLANTIC GENERATING STATION, NEW JERSEY, PART ONE AND PART TWO

DATA COLLECTED: JANUARY 1972 TO MARCH 1973 RECEIVED: MAY 13, 1977

PROJECTS:
ATLANTIC GENERATING STATION PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NEW JERSEY

ABSTRACT:
AN ECOLOGICAL STUDY OF THE TERRESTRIAL AND MARINE ENVIRONMENTS OF THE CENTRAL NEW JERSEY COASTLINE IN THE VICINITY OF THE PROPOSED OFFSHORE ATLANTIC GENERATING STATION WAS CONDUCTED DURING JANUARY 1972 THROUGH MARCH 1973. SEASONAL POPULATIONS AND DISTRIBUTIONS OF MAMMALS, BIRDS, REPTILES, AMPHIBIANS, LAND PLANTS, PELAGIC AND DEMERSAL FISH, ICHTHYOPLANKTON, ZOOPLANKTON, PHYTOPLANKTON, AND BENTHIC ANIMALS WERE DETERMINED. MEASUREMENTS OF WATER TEMPERATURE, SALINITY, DISSOLVED OXYGEN CONCENTRATION, AND SECCHI DEPTH WERE TAKEN WITH ALL SAMPLES OF MARINE ORGANISMS.
(REPORT PREPARED IN JULY 1973 BY ICHTHYOLOGICAL ASSOCIATES, ITHACA, NEW YORK 14850)

DATA AVAILABILITY:
REPORT AVAILABLE FOR DISTRIBUTION

PLATFORM TYPES:
FIXED STATION; SHIP

ARCHIVE MEDIA:
REPORTS
PART ONE - 666 PAGE REPORT, PART TWO - 399 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
THOMAS, D.L., AND C.B. MILSTEIN, 1973. ECOLOGICAL STUDIES IN THE BAYS AND OTHER WATERWAYS NEAR LITTLE EGG INLET AND IN THE OCEAN IN THE VICINITY OF THE PROPOSED SITE FOR THE ATLANTIC GENERATING STATION, NEW JERSEY, PART ONE AND PART TWO. PROGRESS REPORT FOR THE PERIOD JANUARY-DECEMBER 1972 FOR PUBLIC SERVICE ELECTRIC AND GAS COMPANY. ICHTHYOLOGICAL ASSOCIATES, INC.

CONTACT:
PROJECT MANAGER-ATLANTIC GENERATING STATION 201 622 7000
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
80 PARK PLACE
NEWARK NEW JERSEY USA 07101

GRID LOCATOR (LAT):
73079410 73079411 73079412 73079413 73079420 73079421 73079422 73079423 73079430 73079431 73079432 73079433 73079440 73079441 73079442

1978

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	VARIOUS	MAP OR CHART LOCATION-DM	220	STATIONS			FIXED POINT; LONG RANGE NAVIGATIONAL NET
TIME	EARTH	STATION TIME	YMDH	2730	OBS			
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	SPECIES/OBS/ STATION	9	OBS		SURFACE TO 10 FEET	8 GILL NET STATIONS
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER/SPECIES/ OBS/STATION	9	OBS		SURFACE TO 10 FEET	8 GILL NET STATIONS
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	SPECIES/OBS/ STATION	1491	OBS	1 OBS/STATION/ 2 WEEKS		61 SEINE STATIONS, 47 TRAWL STATIONS
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER/SPECIES/ OBS/STATION	1491	OBS	1 OBS/STATION/ 2 WEEKS		61 SEINE STATIONS, 47 TRAWL STATIONS
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY	SPECIES/CUBIC METER/OBS/ STATION	699	OBS	1 OBS/STATION/ WEEK	SURFACE, MIDWATER, BOTTOM	FIXED, UNSTAINED, ALIQUOT; FIXED, STAINED, ALIQUOT 20 ICHTHYOPLANKTON STATIONS, 20 ZOOPLANKTON STATIONS
COUNT OF ZOOPLANKTON	WATER	VARIOUS	NUMBER/SPECIES/ CUBIC METER/ OBS/STATION	699	OBS	1 OBS/STATION/ WEEK	SURFACE, MIDWATER, BOTTOM	FIXED, UNSTAINED, ALIQUOT; FIXED, STAINED, ALIQUOT 20 ICHTHYOPLANKTON STATIONS, 20 ZOOPLANKTON STATIONS
SPECIES DETERMINATION OF PHYTOPLANKTON	WATER	KEY	SPECIES/LITER/ OBS/STATION	3	OBS		SURFACE, 10, 20 METERS	1 PHYTOPLANKTON STATION
COUNT OF PHYTOPLANKTON	WATER	COUNTING CHAMBER	NUMBER/SPECIES/ LITER/OBS/ STATION	3	OBS		SURFACE, 10, 20 METERS	1 PHYTOPLANKTON STATION
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	SPECIES/OBS/ STATION	461	OBS	1 OBS/STATION/ MONTH		11 TRAWL STATIONS, 9 PONARGRAB AND CLAM DREDGE STATIONS, 22 BEACH SIEVE STATIONS
COUNT OF BENTHIC	BOTTOM	VISUAL	NUMBER/SPECIES/ OBS/STATION	461	OBS	1 OBS/STATION/ MONTH		11 TRAWL STATIONS, 9

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ANIMALS								
								PONARGRAB AND CLAM DREDGE STATIONS, 22 BEACH SIEVE STATIONS
NITRATE	WATER	AUTOANALYZER	UG-AT/L	54	OBS	2 OBS/STATION/ 2 WEEKS	SURFACE, BOTTOM	15 NUTRIENT STATIONS
NITRITE	WATER	AUTOANALYZER	UG-AT/L	54	OBS	2 OBS/STATION/ 2 WEEKS	SURFACE, BOTTOM	
NITRATE PLUS NITRITE	WATER	AUTOANALYZER	UG-AT/L	116	OBS	2 OBS/STATION/ 2 WEEKS	SURFACE, BOTTOM	
AMMONIA	WATER	AUTOANALYZER	UG-AT/L	52	OBS	2 OBS/STATION/ 2 WEEKS	SURFACE, BOTTOM	
SILICATE	WATER	AUTOANALYZER	UG-AT/L	170	OBS	2 OBS/STATION/ 2 WEEKS	SURFACE, BOTTOM	
ORTHOPHOSPHATE	WATER	AUTOANALYZER	UG-AT/L	170	OBS	2 OBS/STATION/ 2 WEEKS	SURFACE, BOTTOM	
SALINITY	WATER	VARIOUS	PPT	3600	OBS		SURFACE, BOTTOM	INDEX OF REFRACTION; CONDUCTIVITY
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	PPM	3100	OBS		SURFACE, BOTTOM	
TEMPERATURE	WATER	THERMISTOR	DEG C	3600	OBS		SURFACE, BOTTOM	
SECCHI DISC DEPTH	WATER	DISAPPEARING DEPTH	INCHES OR FEET	1900	OBS			
TIDAL PHASE	WATER	VISUAL	EBB/FLOOD	2730	OBS			
TEMPERATURE	AIR	THERMISTOR	DEG C	2730	OBS			
SPECIES DETERMINATION OF LAND PLANTS	LAND	KEY	SPECIES/STATION	6	STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	SPECIES/STATION	6	STATIONS			
COUNT OF LAND PLANTS	LAND	VISUAL	DEGREE OF OCCURRENCE/ SPECIES/ STATION	6	STATIONS			
COUNT OF BENTHIC PLANTS	LAND	VISUAL	DEGREE OF OCCURRENCE/ SPECIES/ STATION	6	STATIONS			
SPECIES DETERMINATION OF REPTILES	LAND	KEY	SPECIES/STATION	6	STATIONS			
SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY	SPECIES/STATION	6	STATIONS			
SPECIES DETERMINATION	LAND	KEY	SPECIES/OBS/ STATION	19	OBS			TRAPS, 13 STATIONS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
OF MAMMALS								
COUNT OF MAMMALS	LAND	VISUAL	NUMBER/SPECIES/ OBS/STATION	19	OBS			TRAPS, 13 STATIONS
SPECIES DETEFMINATION OF BIRDS	AIR	KEY	SPECIES/OBS/ STATION	12	OBS	1 OBS/STATION/ MONTH		ROAD CENSUS, 2 STATIONS
COUNT OF BIRDS	AIR	VISUAL	NUMBER/SPECIES/ OBS/STATION	12	OBS	1 OBS/STATION, MONTH		ROAD CENSUS, 2 STATIONS
NUMBER OF NESTS	LAND	VISUAL	NUMBER/SPECIES/ STATION	2	STATIONS			BIRDS NEST-2 HERONRIES
FECUNDITY OF BIRDS	AIR	VISUAL	NUMBER OF YOUNG AND EGGS/ SPECIES/ STATION	1	STATIONS			1 HERONRY

ANNEX II

Data Files

Part B

Data File Index - Listed by Key Word

Wetlands Alteration

This index contains an alphabetical listing by key word of the data files in this annex. After some key words is a number or series of numbers which reference the page numbers of the particular file(s) within this report. Most of the files are referenced by more than one key word. Underlined numbers indicate files generated after January 1, 1973.

The key words which do not reference any relevant files are included to indicate the extent of the file search.

Annex II

Part B
Data File Index-Listed by Key Word

Wetlands Alteration

accretion
use deposition rate

altitude profile (land)
none

area (land)
none

area (water)
none

benthic plants
use biological condition, biomass, canopy cover, community structure analysis, count, developmental stage, diversity index, growth studies, mortality, sightings, species determination, taxonomic list, volume determination, weight, yield

biological condition of benthic plants (bottom)
none

biological condition of benthic plants (land)
none

biological condition of land plants (land)
none

biomass of benthic plants (bottom)
89, 100

biomass of benthic plants (land)
44, 50, 52, 63, 65, 67, 92, 94, 100, 108, 111

biomass of land plants (land)
none

canopy cover of benthic plants (bottom)
none

canopy cover of benthic plants (land)
none

canopy cover of land plants (land)
none

community diversity
use diversity index

community structure analysis (bottom)
100

community structure analysis (land)
19, 21, 26, 100, 104, 106

community structure analysis (water)
57

condition
use biological condition

count of benthic plants (bottom)
24, 54, 100, 109, 162, 164, 166, 194

count of benthic plants (land)
17, 19, 24, 26, 44, 46, 48, 67, 92, 94, 100, 111, 119, 164, 166, 168, 198

count of land plants (land)
106, 192, 198

density of benthic plants
use count of benthic plants

deposition (land)
none

deposition (sediment)
none

deposition rate (land)
174

deposition rate (sediment)
none

developmental stage of benthic plants (bottom)
none

developmental stage of benthic plants (land)
none

developmental stage of land plants (land)
106

distribution
use community structure analysis, count, species determination

diversity index of benthic plants (bottom)
none

diversity index of benthic plants (land)
none

diversity index of land plants (land)
none

emergence of land plants (land)
none

erosion of sediment
use deposition rate

growth rate of land plants (land)
none

growth studies of benthic plants (bottom)
none

growth studies of benthic plants (land)
none

index of dispersion
use community structure analysis

index of diversity
use diversity index

index of dominance
use community structure analysis

index of evenness
use community structure analysis

index of species association
use community structure analysis

index of species equatability
use community structure analysis

index of species richness
use community structure analysis

index of species similarity
use community structure analysis

land plants
use biological condition, biomass, canopy cover, community structure analysis (land), count, developmental stage, diversity index, emergence, growth rate, mortality, species determination, taxonomic list, volume determination, weight, yield

land use (land)
36, 38, 40, 42, 46, 48, 181, 183

length (water)
189

map
use topography (land)

marsh grass
use benthic plants (land)

mortality of benthic plants (bottom)
none

mortality of land plants (land)
none

photograph (earth) (aerial)
7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 23, 28, 29, 30, 31, 32, 33, 34, 35, 59, 60, 61, 62, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 96, 97, 98, 104, 135, 136, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 157, 158, 159, 161, 170, 196, 197

population
use count

rank analysis
use community structure analysis

recreation (land)
none

recreation (water)
none

recruitment
use community structure analysis

sea level
use water level

sedimentation rate
use deposition rate

shore line length (land)
46, 48

shore line profile
use topography (land)

sightings of benthic plants (bottom)
none

soil structure (land)
141, 174

soil type (land)
121, 123, 125, 127, 129, 131, 133, 174

spatial patterns
use community structure analysis

species determination of benthic plants (bottom)
54, 100, 103, 109, 162, 164, 166, 194

species determination of benthic plants (land)
17, 19, 21, 26, 46, 48, 50, 52, 54, 57, 67, 92, 94, 100, 104, 108, 111, 113, 115, 119, 139, 164, 166, 168, 176, 185, 187, 189, 198

species determination of land plants (land)
106, 141, 179, 181, 187, 192, 198

standing crop
use biomass, count, weight, yield

taxonomic list of benthic plants (bottom)
none

taxonomic list of benthic plants (land)
137

taxonomic list of land plants (land)
106, 137, 171, 174, 183

tidal height
use water level

tidal zone area (land)
46, 48

topography (land)
none

volume determination of benthic plants (bottom)
none

volume determination of benthic plants (land)
none

volume determination of land plants (bottom)
none

volume determination of land plants (land)
none

water level (water)
65, 181

weight of benthic plants (bottom)
none

weight of benthic plants (land)
111, 168

weight of land plants (land)
none

width
189

yield of benthic plants (bottom)
none

yield of benthic plants (land)
46, 48, 52, 111, 117

yeild of land plants (land)
none

ANNEX III

Monitoring Programs

Wetlands Alteration

The monitoring programs identified for this report form three categories, as follows:

Continuous monitoring programs presently active in the Chesapeake Bay - 15 files.

Continuous monitoring programs initiated after January 1967 that have operated five (5) years or longer, but are presently not operational - 2 files.

Continuous monitoring programs initiated prior to January 1967 that have operated ten (10) years or longer and are presently not operational - 0 files.

The programs are arranged by date of initiation, earliest first.

DATA COLLECTED: 1927 TO PRESENT

MONITORING PROJECTS:
AERIAL PHOTOGRAPHS

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, NORTH PACIFIC OCEAN, COASTAL, U.S., INCLUDING ALASKA AND HAWAII

ABSTRACT:
THIS FILE CONTAINS AERIAL PHOTOGRAPHS USED BY THE NATIONAL OCEAN SURVEY IN CONNECTION WITH NAUTICAL AND AERONAUTICAL CHARTING PROGRAMS. PHOTOGRAPHS ARE AVAILABLE FOR MOST OF THE COASTAL AERAS OF THE UNITED STATES.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHIEF, PHOTOMAP AND IMAGERY INFORMATION SECTION 301-496-8601
NATIONAL OCEAN SURVEY
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND, USA 20852

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 98.

DATA COLLECTED: JULY 1958 TO PRESENT

MONITORING PROJECTS:

VEGETATION MAPPING SURVEY OF STATE OWNED WATERFOWL AREAS

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

ABSTRACT:

STATE OWNED WATERFOWL AREAS HAVE BEEN MAPPED FOR VEGETATIVE TYPES BY AERIAL PHOTOGRAPHY. BEFORE AND AFTER ANY MANAGEMENT PROJECTS THE AREAS IN QUESTION ARE AGAIN MAPPED AND THE VEGETATIVE COMMUNITY DESCRIBED.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

VERNON STOTTS 301-267-5195
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 26.

DATA COLLECTED: JUNE 1962 TO PRESENT

MONITORING PROJECTS:

WOOD DUCK FLOAT CENSUS

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S. CHESAPEAKE BAY, MARYLAND, POTOMAC RIVER

ABSTRACT:

COUNTS AND SPECIES DETERMINATION OF WATERFOWL, REPTILES, MAMMALS, BIRDS AND BENTHIC PLANTS HAVE BEEN MADE EACH JUNE SINCE 1962 ALONG A 180 MILE STRETCH OF THE POTOMAC RIVER. FISHING ACTIVITY IS ALSO NOTED. (OBSERVATIONS ARE MADE FROM TWO DRIFTING BOATS, TWO OBSERVERS IN EACH BOAT.)

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

VERNON STOTTS 301-267-5195
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 24.

DATA COLLECTED: JANUARY 1966 TO PRESENT

MONITORING PROJECTS:
SUSQUEHANNA FLATS DREDGE ISLANDS

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, SUSQUEHANNA RIVER

ABSTRACT:
SMALL SCALE SURVEY TO DOCUMENT THE FLORAL SUCCESSION ON DREDGE SPOIL ISLANDS IN SUSQUEHANNA FLATS. BIRD SPECIES LISTS COMPILED FROM 3 VISITS PER YEAR SINCE 1966.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
VERNON STOTTS 301-267-5195
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 17.

DATA COLLECTED: 1968 TO 1973

MONITORING PROJECTS:
PRELIMINARY DRAFT ENVIRONMENTAL IMPACT ASSESSMENT OF FIVE PROPOSED ALTERNATIVES FOR CAPACITY EXPANSION AT PHILADELPHIA INTERNATIONAL AIRPORT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., PENNSYLVANIA, SOUTHWEST PHILADELPHIA, TINICUMMARSH

ABSTRACT:
THIS ENVIRONMENTAL IMPACT STATEMENT IS A COMPREHENSIVE ENVIRONMENTAL STUDY OF THE MARSH SURROUNDING PHILADELPHIA INTERNATIONAL AIRPORT. IT INCLUDES DISCUSSION AND DATA ON POPULATIONS AND DIVERSITY OF VEGETATION, MAMMALS, FISH, REPTILES, AMPHIBIANS AND BIRDS. IT IS WELL REFERENCED TO PREVIOUS STUDIES.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JAMES A. SCHMID 215-647-3110
JACK MCCORMICK AND ASSOCIATES
860 WATERLOO ROAD
DEVON, PENNSYLVANIA, USA 19333

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 141.

DATA COLLECTED: JANUARY 1969 TO JANUARY 1974

MONITORING PROJECTS:

VIRGINIA SOIL SURVEY - KING GEORGE COUNTY, VIRGINIA

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., VIRGINIA, KING GEORGE COUNTY

ABSTRACT:

A SOIL SURVEY OF KING GEORGE COUNTY WAS CONDUCTED AND INCLUDES STUDIES AND DESCRIPTIONS OF THE SOIL, AS WELL AS MAPS COMPILED FROM AERIAL PHOTOGRAPHS OF THE COUNTY.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

PETRI 703-951-6481
AGRONOMY DEPARTMENT
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA, USA 24061

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 125.

DATA COLLECTED: JANUARY 1970 TO PRESENT

MONITORING PROJECTS:

BIOLOGICAL REPORTS FOR PERMIT APPLICATIONS TO ALTER MARSHLANDS, ESTUARINE BOTTOMS, TIDELANDS AND STATE-OWNED LAKES OF NORTH CAROLINA

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., NORTH CAROLINA

ABSTRACT:

BIOLOGICAL REPORTS WHICH DETERMINE EFFECTS OF BUILDING AND DREDGING PROJECTS ON COASTAL MARSH LANDS, ESTUARINE BOTTOMS, TIDELANDS AND STATE-OWNED LAKES ARE CONTAINED IN THIS FILE. AERIAL PHOTOGRAPHY IS USED TO MONITOR ANY BUILDING OR DREDGING PERMIT VIOLATIONS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

JAMES T. BROWN 919-726-7021
DIVISION OF COMMERCIAL AND SPORTS FISHERIES
NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
P.O. BOX 769
MOOREHEAD CITY, NORTH CAROLINA, USA 28557

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 109.

DATA COLLECTED: JULY 1970 TO PRESENT

MONITORING PROJECTS:
ECOLOGICAL WETLANDS ASSESSMENT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

ABSTRACT:
FILE CONTAINS WETLANDS ASSESSMENTS RELATIVE TO PERMIT APPLICATIONS UNDER MARYLAND WETLAND LAW, ARTICLE 66C, SECTION 718 TO 731. LARGELY QUALITATIVE DATA FROM SITE VISITS; 3 SITES RECEIVED QUANTITATIVE SAMPLING: MYSTIC HARBOR, SNUG HARBOR AND FRONTIERTOWN.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
WILLIAM SIPPLE 301-267-5877
WATER RESOURCES ADMINISTRATION
DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 19.

DATA COLLECTED: JULY 1971 TO PRESENT

MONITORING PROJECTS:
CHECKLIST OF VASCULAR PLANTS ASSOCIATED WITH TIDAL WETLANDS IN MARYLAND

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S. CHESAPEAKE BAY, MARYLAND

ABSTRACT:
PRESENCE OR ABSENCE DATA FOR OVER 200 SPECIES OF VASCULAR PLANTS. GENERAL DISTRIBUTION OF PLANTS ON MARSH TYPES. ASSOCIATIONS OF PLANTS ON MARSH TYPES. COMPILED DURING WETLAND SITE EVALUATION VISITS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
WILLIAM SIPPLE 301-267-5877
WATER RESOURCES ADMINISTRATION
DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 21.

DATA COLLECTED: JANUARY 1972 TO PRESENT

MONITORING PROJECTS:
SPOILED WETLANDS RECOVERY STUDY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, QUEEN ANN COUNTY

ABSTRACT:
A STUDY OF VEGETATIVE REHABITATION OF THREE DISTURBED MARSHES IN QUEEN ANN COUNTY, MARYLAND IS BEING CONDUCTED. ALL SUBMERGENT AND EMERGENT PLANTS TO 3 FOOT WATER DEPTH AT THREE DISTURBED AREAS, AND 52 STATIONS PER DISTURBED AREA ARE BEING STUDIED. SAMPLES ARE TAKEN EARLY AND LATE SUMMER.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JAMES R. GOLDBERRY, DIRECTOR 301-267-5195
MARYLAND WILDLIFE ADMINISTRATION
DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 162.

DATA COLLECTED: JUNE 1972 TO PRESENT

MONITORING PROJECTS:

RECOGNITION BY REMOTE SENSING OF WETLAND VEGETATION

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, YORK RIVER, PAMUNKEY RIVER, PURTAN ISLAND MARSH, SWEET HALL MARSH, TASKINAS CREEK MARSH

ABSTRACT:

SPECIES DETERMINATION, BIOMASS AND BODY LENGTH WERE RECORDED MONTHLY FOR PLANTS COLLECTED AT 10 LOCATIONS IN THE PURTAN ISLAND, SWEET HALL AND TASKINAS CREEK MARSHES OF THE CHESAPEAKE BAY AREA, BEGINNING IN JUNE 1972 AND CONTINUING TO THE PRESENT. THE DOMINANT SPECIES FOR EACH MARSH WAS RECORDED. SPECIES RECOGNITION WAS ATTEMPTED WITH INFRARED, COLOR AND BLACK AND WHITE PHOTOGRAPHS. THE RESULTS OF THE STUDY ARE AVAILABLE IN THE FORM OF DATA SHEETS FROM VIMS. FILMS ARE HELD AT NASA LANGLEY AND VIMS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

KENNETH MARCELLUS 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT, VIRGINIA, USA 23062

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 50.

DATA COLLECTED: JUNE 1972 TO PRESENT

MONITORING PROJECTS:
ENVIRONMENTAL CONSULTATION - WETLANDS LYNNHAVEN AREA OF LOWER CHESAPEAKE BAY AND ELIZABETH RIVER

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, LYNNHAVEN BAY, ELIZABETH RIVER

ABSTRACT:
SURVEY OF HYDROGRAPHIC AND BIOLOGICAL PARAMETERS OF LOWER CHESAPEAKE BAY, LYNNHAVEN BAY AND ELIZABETH RIVER. DATA COLLECTED IN CONJUNCTION WITH CONTRACT WORK FOR CONTRACTORS AND LAND DEVELOPERS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL KIRK 804-489-6000
INSTITUTE OF OCEANOGRAPHY
OLD DOMINION UNIVERSITY
NORFOLK, VIRGINIA, USA 23508

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 67.

DATA COLLECTED: JANUARY 1973 TO PRESENT

MONITORING PROJECTS:

SURVEY OF ANADROMOUS FISH SPAWNING AREAS; MAGOTHY, PATAPSCO, BACK, MIDDLE RIVER DRAINAGES; STREAM INVESTIGATION

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

ABSTRACT:

ONE HUNDRED STREAMS IN MARYLAND WERE INVENTORIED TO IDENTIFY THOSE HAVING POTENTIAL TO SUPPORT SPAWNING RUNS OF ANADROMOUS FISH, TO DETERMINE PROBLEM AREAS, HABITAT TYPE, DEVELOPMENTAL STATUS AND OTHER ECOLOGICAL INFORMATION. (AVAILABLE ALSO IN SUMMARY REPORT. AVERAGE STREAM WIDTHS AND AVERAGE MIDDLE DEPTHS ESTIMATED OR MEASURED AT VARIOUS INTERVALS ON THE STREAMS.)

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

C. JAY O'DELL 301-267-5361
FISHERIES ADMINISTRATION
DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 42.

DATA COLLECTED: MAY 1973 TO PRESENT

MONITORING PROJECTS:
COMMONWEALTH OF VIRGINIA TIDAL MARSH INVENTORY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
UNDER SECTION 62.1-13.4 OF THE WETLANDS ACT, THE VIRGINIA INSTITUTE OF MARINE SCIENCE IS OBLIGATED TO INVENTORY THE TIDAL WETLANDS OF THE COMMONWEALTH OF VIRGINIA. A SERIES OF MARSH INVENTORY REPORTS ARE THEREFORE BEING COMPILED ON A COUNTY BASIS. EACH REPORT LOCATES AND DESCRIBES THE INDIVIDUAL TIDAL MARSHES WITHIN A COASTAL COUNTY. INFORMATION SUCH AS INDIVIDUAL MARSH ACREAGE, MARSH PLANT COMMUNITY PERCENTAGE AND ACREAGE, WATER-MARSH INTERFACE, INTERFACE MARSH AREA RATIO, AND MISCELLANEOUS OBSERVATIONS ARE PRESENTED IN TABULAR FORM. THE REPORTS RESULT FROM FIELD NOTES AND VEGETATION MAPS DRAWN IN THE FIELD AND OBSERVATIONS MADE USING AERIAL PHOTOGRAPHS AND TOPOGRAPHIC MAPS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. GENE M. SILBERHORN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT, VIRGINIA, USA 23062

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 103.

DATA COLLECTED: JANUARY 1974 TO PRESENT

MONITORING PROJECTS:
SPOIL STUDIES ON THE WESTERN SHORE OF MARYLAND

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, QUEEN ANN, SOMERSET, WACOMICO AND DORCHESTER COUNTIES

ABSTRACT:
A STUDY OF VEGETATIVE REHABITATION OF 6 SPOIL SITES ON THE BAY SIDE OF THE EASTERN SHORE, MARYLAND IS BEING CONDUCTED. REHABITATION STUDY OF 6 SPOIL SITES CONSISTS OF ONE CROSS TRANSECT AT EACH SITE. SAMPLES ARE TAKEN EVERY 50 FEET ALONG TRANSECT ARM. VEGETATIVE APPEARANCE AND SPECIES LIST FOR BOTH SUPER AND INTER-TIDAL SAMPLES ARE NOTED.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JAMES R. GOLDBERRY, DIRECTOR 301-267-5195
MARYLAND WILDLIFE ADMINISTRATION
DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 164.

DATA COLLECTED: JUNE 1974 TO PRESENT

MONITORING PROJECTS:
CHOWAN RIVER PROJECT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NORTH CAROLINA, CHOWAN RIVER

ABSTRACT:
A STUDY OF NUPHAR ADVENA AND JUSTICIA AMERICANA IN CHOWAN RIVER.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. M. BRINSON 919-758-6718
DEPARTMENT OF BIOLOGY
EAST CAROLINA UNIVERSITY
GREENVILLE, NORTH CAROLINA, USA 27834

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 108.

DATA COLLECTED: JULY 1975 TO PRESENT

MONITORING PROJECTS:
MARSH AND CREEK VEGETATION SURVEY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, QUEEN ANN COUNTY

ABSTRACT:
A SURVEY OF THE MARSH AND CREEK VEGETATION OF QUEEN ANN COUNTY, BAY SIDE OF EASTERN SHORE, MARYLAND IS BEING CONDUCTED. ALL PLANTS FROM THE HIGH MARSH EMERGENT TO AQUATIC SUBMERGENT OF CREEKS FROM HEAD WATER TO MOUTH ARE NOTED. SEVEN MARSH TRANSECTS WITH 5 STATIONS EACH, AND 14 CREEK TRANSECTS WITH 6 STATIONS EACH ARE MEASURED.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JAMES R. GOLDBERRY, DIRECTOR 301-267-5195
MARYLAND WILDLIFE ADMINISTRATION
DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 166.